

From qrp-request@Think.COM Thu Apr 15 12:55:43 1993
Date: Thu, 15 Apr 93 11:55:30 -0500
From: adams@chuck.dallas.sgi.com (Charles Adams)
Subject: "first Sunday QSO parties"

Gang,

got a letter today from Fred, W5QJM.

On June 6, 1200Z (UTC to you young critters), the "First Sunday QSO Parties" are starting back up. Everyone is invited to join in.

There are NOT contest. Everyone is encouraged to rag chew, staying away from hit-and-run contest contacts. The object is to have fun.

First Sundays were popular and well-attended events when QRP ARCI sponsored them until seven or eight years ago, but a change of administrations let them fall through the cracks. These are being revived without an official sponsor.

There are NO rules. Things start at 1200Z on the lowest available frequency and move up, band by band on the hour as higher frequencies begin to open. As bands begin to close, start down again. Ops may continue as long as they want. In the past, First Sundays were going until 0400Z next day when conditions were good. There are no logs to submit, but exchanges of membership numbers count toward various club operating awards.

After June 6, sessions will be July 4, Aug 1, Sept 5, Oct 3, Nov 3, and Dec 5, etc.

CW 3560, 7040, 10106, 14060, 18080, 21060, 24910, es 28060 MHz
SSB 3985, 7285, 14285, 18130, 21385, 24950, 28385

NOVICE 3710, 7110, 21110, es 28110

look for you on the bands.....

72 de k5fo chuck

From qrp-request@Think.COM Tue Apr 13 16:05:19 1993
Date: Tue, 13 Apr 93 16:06:29 -0400
From: lakeith@wrdis01.robins.af.mil (CONTRACTOR Larry Keith;WR-ALC/653 CCSG/SCDD)

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> NAME: Larry Keith
> CALL: WKQ4BY
> EMAIL: lakeith@wrdis01.robins.af.mil
> QRP RIG(s): Robbery Shack HTX ??? 10m rig.
> QRP Favorites: building/modifying,wire antennas, hamfests, antenna
tuners....Old stuff.

> COMMENTS: newbie to QRP. Just moved the shack (new QTH) and nothing
is hooked up, yet! Have to get out the bow and arrows to get the
dipoles back in the air.

>
QuerY: Who is going to Dayton? I will be there all three days.
Look for me around spaces 122, 123, 124... I will be the guy with the
red ICOM hat and the the HT....8-}
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73, Larry K eith's
 Q uadrant
 4
 B one
 Y ard

From qrp-request@Think.COM Sat Apr 17 15:12:31 1993
Subject: 3rd request for unsubscrition to this list.
From: vikki@wv9k.atl.ga.us (Victoria Welch)
Date: Sat, 17 Apr 93 14:57:15 EDT

I have requested to be *removed* from *this* mailing list and was under the impression that responsible personnel were handing it. There were 61 pieces of mail in the queue three days later. PLEASE turn it off. Future submissions will be bounced. I hate to be rude about this, but it seemed such a simple request to ask it be shut down. No big company is paying the bills here - please comply.

Your consideration in this matter would be appreciated along with some action.

Take care es 72, Vikki

[illegible]

From qrp-request@Think.COM Wed Apr 14 13:49:07 1993
Date: Wed, 14 Apr 93 13:40:45 EDT
From: jmichael@vnet.IBM.COM
Subject: 40 and 80 meter QRP

I am interested in building a QRP rig for 40 and/or 80 meter cw. Should I buy a kit, build a project out of a book, or build something of my own design? Would anyone care to share their experiences? Who makes some good kits, and what are good sources of parts?

Jim

From qrp-request@Think.COM Fri Apr 16 13:38:26 1993
From: andrews@fmsystem.ncoast.org (Andrew Sargent N80FS)
Subject: 6 Meter QRP...
Date: Fri, 16 Apr 1993 13:13:42 -0400 (EDT)

Hello all, I just got my name added to the list about 2 weeks ago and I enjoy all the mail.

The qrp that I'm mostly interested in (because of being a No-Code) is 6 Meters. You may or may not realize that most or all of the 49 Mhz 'kiddie walkie-talkies' can be modified rather inexpensively and easily to operate in 6 Meters. I have modified one of the early RS models to transmit and receive on 52.525 at about 300mW. I am assuming that these rigs can be modified for CW. Keep in mind that some of the early, early, early models operate in the AM mode.

Please send any and all replies to this group/mailling-list. I am seeking any modifications for these rigs.

P.S. The 5-ch RS walkies are harder than hell to modify...

— —

[illegible]

From qrp-request@Think.COM Fri Apr 16 18:11:10 1993
From: Kevin Purcell (Rho) <a-kevinp@microsoft.com>
Date: Fri, 16 Apr 93 14:05:50 PDT
Subject: RE: 6 Meter QRP...

Overview of conversion for TRC-501:

Pull crystals: RX (X2) and TX (X3); send them when ordering rocks for the new freqs, and be sure to tell them what freq the old rocks are for.

Install new xtals, and peak L6, L5, and L1 for max field strength.
(These are clustered below X3.) Repeat until max RF generated.

Deviation control is RV1.

RX: Peak L4 and L2; L3 may need a slight touch up.

Rewax all coils when done.

Service manuals for most Tandy/Radio Shack products are available at a nominal (usually) charge from Tandy National Parts, if your local store either doesn't know how to order them, or doesn't seem to want to do it for you. What you want has a part number of "SMxx-xxxx". For example, the service manual for a 25-1000 would be P/N SM25-1000.

Their 800# is 800/442-2425, and they take plastic money, ship UPS next day, if you want it (you pay the freight, obviously)

Date: Wed, 16 Dec 1992 16:30:16 GMT

From:

sdd.hp.com!hpscit.sc.hp.com!hplextra!hpcc05!hpscit!spikes@network.UCSD.EDU

Subject: 6 Meter Radio Shack HTs!

To: info-hams@ucsd.edu

Long post about modifying Radio Shack TRC-503 and TRC-505 walkie talkies to 6 meters.

Just got a couple of Radio Shack's walkie talkies (or HT's) last night. Since I'm a jerk and refuse to go 'shopping' (YAWN!) with my wife on her forays into the 'mauls', I usually wait in the car, reading, playing with radio, watching TV, counting clouds, etc. If she doesn't know where the car is parked, I have to keep checking to see if she is outside yet, waiting for some lowlife to grab her purse. So, we needed a beep-the-husband-to-bring-the-limo-up scheme. (I think I've been in N. CA too long.....)

The main requirements were long range and tiny transmitter. The xmtr has to fit into her purse (brick) that already has as much stuff in it as the Smithsonian archives. Doesn't anyone make a simple 2 meter, xtal controlled, 9 volt, SMALL xmtr strip? All it has to do is beep. This is where the 49 Mhz R.S. HTs come in.

Took them apart as soon as we got home. The 5 channel one is synthesized and dual conversion! I couldn't tell for sure if the xtal controlled

single channel one was dual conv. or not. It had enough cans. Also about 10 transistors and 3 ICs. They both have squelch, although the control is NOT brought out of the case. Neither 'manual' has a schematic in it but they may be available, according to the salescritter.

These GOTTA be modifiable to 6 meters. The output power should be raised up a bit too. Somebody on the net has already posted about this a few moons ago, and there must be others that have tried this. Any help, pointers to someone, or stories would be appreciated. A 6 meter HT for 25 bucks! (or 40) I hope to learn from somebody else's mistakes here before I butcher her radios. >:-)

Thanks,

Bill

wb6rzg

(Oh yeah, that's 'rotten zucchini garden', not just 'romeo-zulu-golf' :-))

From qrp-request@Think.COM Sat Apr 17 00:37:44 1993

From: andrews@fmsystem.ncoast.org (Andrew Sargent N80FS)

Subject: Re: 6 Meter QRP...

Date: Sat, 17 Apr 1993 00:13:14 -0400 (EDT)

> | I have modified one of the
> | early RS models to transmit and receive on 52.525 at about 300mW.
>
> Did it come that way or did you modify it to get 300 mW out? I have
> changed some crystals in some and put them on 6 meters. I have fiddled
> with a 1.5 watt amp for them but have never really finished it.
>

I did have to do _some_ modification to get the output up. One thing is to rip out the resistor in the final stage. Another thing is to replace a capacitor in the antenna tuning stage. Keep in mind that I replaced the short original antenna with a 54" replacement.

Xtal changes are a must, there is no way in hell to slide the xtal that far (original).

I would think that you could change the final and maybe the driver to get (maybe) 5W, but the voltage regulator would probably get a little pissed-off (hot!). Also, a 9V battery wouldn't last that long at that rate!

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From qrp-request@Think.COM Thu Apr 22 19:05:52 1993
Date: Thu, 22 Apr 1993 19:00:43 -0400 (EDT)
From: Robert Marlan <rsm@world.std.com>
Subject: ? best QRP rig

I want to buy a nice qrp kit
I ahve seen three:
1) Oak Hills Research
2) MFJ
3) A&A ENgineering

the oak hills has a switch fo filter width,
the A&A appears to have holes on the top? ?speaker inside

which has the best performace
any opinions on if 20 or 40 meters is best for general usage?

appreciate any opions
thanks bob KA6NOC rsm@world.std.com

From qrp-request@Think.COM Thu Apr 22 21:18:32 1993
Date: Fri, 23 Apr 93 01:03:13 GMT
From: jkearman@arrl.org (Jim Kearman)
Subject: Re: ? best QRP rig

Robert Marlan <rsm@world.std.com> writes:

>I want to buy a nice qrp kit
>I ahve seen three:
>1) Oak Hills Research
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>the oak hills has a switch fo filter width,
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>which has the best performace
>any opinions on if 20 or 40 meters is best for general usage?
>
>appreciate any opions
>thanks bob KA6NOC rsm@world.std.com
>

>

>

I'll start the ball on the preferred band: It depends! Forty is a good band for QRP in the daytime. At night it can get nasty, depending on where you are. Near Canada or the Caribbean you get zapped by all the SSB. On the East Coast you get lotsa Euro SWBC. All this can make mincemeat of a receiver. On the other hand, in the early morning or around sunset, you can usually make a few contacts of reasonable distance.

Twenty is a good daytime band now; a few years ago you could work the world 24 hours a day, but the sunspots are fading away now. It helps to have a reasonable antenna on 20, tho I've worked lots of QRP dx with dipoles in good locations.

If you can get next to a receiver now, spend some time listening. Bear in mind, the summer conditions aren't as good as in the fall and winter.

73

Jim, KR1S

--

jkearman@arrl.org

From qrp-request@Think.COM Wed Apr 14 11:19:33 1993
Date: Wed, 14 Apr 93 09:08:06 MDT
From: georgen@stortek.com (George Noyes x5698)
Subject: Colorado QRP guys at Dayton

Just a note (after seeing Jim's)....

KR0U and W1XE will see you at the QRP gang get together!

72

de W1XE

From qrp-request@Think.COM Tue Apr 13 12:32:26 1993
From: mvjif@mvubr.att.com
Date: Tue, 13 Apr 93 12:03 EDT
Subject: Dayton

Look for QRP-ARCI at Dayton on 7.040/030 14.060 21.060 Mhz
from 9 - ? pm EDT on 4/22, 23, 24.

We will occupy 50 hotel rooms, have a hospitality suites for 3 nights, booked 4 commercial booths (@ \$425 ea.) and will present QRP forums on Fri., Sat., & Sun.

It is big QRP !!!!!

All QRP clubs will be represented, incl the G-QRP club.

72 W1FMR QRP-NE

From qrp-request@Think.COM Wed Apr 14 17:13:32 1993
Date: Wed, 14 Apr 93 16:13:18 -0500
From: adams@chuck.dallas.sgi.com (Charles Adams)
Subject: Dayton New Rigs

Jeff, AC4HF, popped the question first.

1. TenTec will have a new rig. small in size and hopefully similarly reduced in price. supposed to compete with the MFJ rigs. but this is just speculation among those in the know.
2. look for OHR at the show. i talked to Dick and he said he'd be there but was not going to be carrying large number of boxes etc. probably just take orders, but then this wasn't in concrete either.
3. everybody take notes at the show and then post when you get back to the terminal. this way we get several points of view. i'm sure that everybody won't see everything.

Kenwood and ICOM will have their new small HF rigs. they're not QRP, but small in size.

73 es 72 fer nw, de k5fo chuck

From bruce@Think.COM Wed Apr 7 13:40:31 1993
From: Bruce Walker <bruce@Think.COM>
Date: Wed, 7 Apr 93 13:40:30 EDT
Subject: directory

I have place the directory of people and their interests which Chuck K5FO

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--bruce
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Ron, ZL1AMO is now active as 5W1CW. He is an excellent CW operator and I have worked him from many locales using anything from milliwatts to 5w. He really knows how to dig out those weak signals. The past 2 nights he has shown up on 20m CW around 0100z or so. Piles have been small to nonexistent. Get it now if you need it and GL/73,

Email: rrand@PICA.ARMY.MIL
PS. Ron seems to like 14025-14030 best.

> Ron, ZL1AM0 is now active as 5W1CW. He is an excellent CW operator and I
> have worked him from many locales using anything from milliwatts to 5w.
> He really knows how to dig out those weak signals. The past 2 nights he
> has shown up on 20m CW around 0100z or so. Piles have been small to
> nonexistent. Get it now if you need it and GL/73,

Heard him this morning on 40cw at 1140z good readable signal, about S3.
Fair size pile-up which he seemed to be working on frequency to a
couple hundred hz up. Unfortunately, my g5rv at 25 ft just doesn't do much
for a grp signal on 40 - hi!, maybe tomorrow.....

Dr. Gregory S. Taylor !MAIL: 110 Dairy Science Building
Extension Program Leader for ! College Station, TX 77843-2124
Community Development !VOICE: 409-845-4445
Texas Agricultural Extension Service!FAX: 409-847-8744
Texas A&M University System !EMAIL: Reply or g-taylor4@tamu.edu

From qrp-request@Think.COM Tue Apr 6 18:49:45 1993
From: Kevin Purcell (Rho) <a-kevinp@microsoft.com>
Date: Tue, 6 Apr 93 14:49:12 PDT
Subject: FAQ and reply style

Congrats!

Perhaps we should now start an FAQ!

Is there also a qrp-request address to add folks to the list?

I also note that the reply to address is the person sending the mail and not the list itself. This tends to reduce list traffic (which may not be what is wanted). A reply to the message should go to the list to fire up discussions.

Kevin Purcell N7WIM / G8UDP
a-kevinp@microsoft.com
"We conjure the spirits of the computer with our spells"

From: Charles Adams <netmail!adams@chuck.dallas.sgi.com>
To: <qrp@Think.COM>
Subject: Good Job Bruce
Date: Tuesday, April 06, 1993 1:48PM

a million thanks to Bruce, WT1M, a good guy and all that. taking on maintenance of the qrp net group will help everyone involved.

of course, using them there super computers, probably doesn't even put a dimple into the cycle count on his machine. :-) i used to be at Alliant Computer systems in the old days. they went under when i left. :-) yeaha, that's right, that's the answer.....

anybody with rigs for sale, etc.

i've got the schematics for the OHR rigs, MXM, Tejas Backpacker I, HW-8, HW-9 and still looking for more. i've got your calls, so just hold on a lil bit longer. the check's in the mail syndrome.....

anyone with the old TenTec rig schematics?

i've got Tango Schematic up and running now and am starting on the old TwoFer stuff etc outta the QQ. let you know how the project is going.

72 de k5fo chuck dit dit

now on 20, 30, and 40 qrp @ 2W max. power company promised to fix my line noise today.

ciao

From qrp-request@Think.COM Fri Apr 16 17:31:20 1993
Date: Fri, 16 Apr 1993 14:34:26 -0800
From: burdick@interval.com (Wayne Burdick)
Subject: Fish stories

Hi gang,

QRP mailing list--what a great idea! Too bad you gotta be on Internet to use it--sort of creates a caste within the QRP community, as the Internet has done in many other domains.

Anyway, we're on the verge of beating to death the antennas for awhile, so how about some fish stories? I'll kick it off. Just the truth...

I wanted to try QRP with an HT, but on HF, not those high bands were you fry your brains if the thing gets close to your head. So I built a hand-held 15-meter CW rig. Puts out 300mW, superhet RX, 2 9V batteries for power, a push-button for a key, and a base-loaded, 3' long Radio Shack whip.

I tried it on a hilltop and heard quite a few stations, but couldn't work anyone. So I tried it in my car. Now the car antenna was truly cheap: a Radio Shack "cellular look-alike" whip lengthed to about 2' using a chunk of coat hanger so it would resonate on 21MHz. Hooked up the rig, got out on the freeway, and started tuning around (the VXO cap was a trimmer with a nylon spacer glued to it).

Shortly I heard a St. Louis station calling CQ--a YL, and 599 on my itty-bitty radio. Got her on the first call, with 300mW, 2' whip, mobile, pushbutton key and one eye on the road.

Any more live ones out there?

72,
Wayne N6KR

Wayne Burdick
wayne@interval.com
(415) 354-0928

Interval Research Corp.
1801-C Page Mill Road
Palo Alto, CA 94304

From qrp-request@Think.COM Fri Apr 16 18:58:45 1993
Date: Fri, 16 Apr 93 15:58:38 PDT
From: paulb@harley.tti.com (Paul Blumstein)
Subject: Re: Fish stories

Wayne Burdick writes:

>

>QRP mailing list--what a great idea! Too bad you gotta be on Internet to
>use it--sort of creates a caste within the QRP community, as the Internet
>has done in many other domains.

Not necessarily. Many other electronic nets link into internet:
uucp, bitnet, genie, compuserve, fidonet, america on line,
etc, etc. And many more nets are gatewaying into each other.

From qrp-request@Think.COM Fri Apr 23 09:00:29 1993
Date: Fri, 23 Apr 93 12:50:45 GMT
From: jkearman@arrl.org (Jim Kearman)
Subject: Good idea; I often forget about 30!

>From gcouger@olesun.agen.okstate.edu Fri Apr 23 04:43:45 1993
Received: from mgate by jek with SMTP
id AA2273 ; Fri, 23 Apr 93 04:43:40 GMT
>From POP3@uu2.psi.com. Thu Apr 22 23:33:05 1993
Received: from olesun.agen.okstate.edu by uu2.psi.com (5.65b/4.0.071791-PSI/
PSINet) via SMTP;
id AA14779 for poparrl; Fri, 23 Apr 93 00:38:11 -0400
Received: by olesun.agen.okstate.edu (4.1/SMI-4.1)
id AA11616; Thu, 22 Apr 93 23:37:46 CDT
Date: Thu, 22 Apr 93 23:37:46 CDT
From: gcouger@olesun.agen.okstate.edu (Gordon Couger)
Message-Id: <9304230437.AA11616@olesun.agen.okstate.edu>
To: jkearman@arrl.org
Subject: Re: ? best QRP rig

I do a lot of qrp on 30 meters not much qrm from and no big guns.
it is open later in the eveing than 20 and doesent have the crap the
covers 40 meters.
Gordon ab5dg

From qrp-request@Think.COM Tue Apr 6 18:27:10 1993
Date: Tue, 6 Apr 93 13:48:57 -0500
From: adams@chuck.dallas.sgi.com (Charles Adams)
Subject: Good Job Bruce

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72 de k5fo chuck dit dit

now on 20, 30, and 40 qrp @ 2W max. power company promised to fix my line noise today.

ciao

From qrp-request@Think.COM Mon Apr 12 10:35:19 1993
Date: 12 Apr 1993 09:32:05 -0500 (CDT)
From: "Jeff M. Gold" <JMG@tntech.edu>
Subject: Help HW9

HI,

figured I would test out this new list.

I just got finished with a Heath HW9 (which I could never have found without the help of Chuck Adams). Originally got it finished .. got part of the alignment done and ran into

things not working. Sent it to be fixed after I ruined one of the bottom traces trying to find the problem (I know very little about electronics..but trying to learn.. was very careful building the rig... even lined up all the resistors in the same direction). After 5 months of the guy not touching the radio, I had him send it back.

Had a local whiz trade me help for a 6 meter beam (I love barter). Turned out that I had a bad double balanced mixer. Next had 2 bad coils in the TX/Rec board.. just put them in Thursday and aligned the rig... putting out nice clean 4 watts or so.. and receiver works great.

Had some problems though.. seemed like when someone was calling CQ.. I could never get them to come back to me.. wondered if it was me or the bands. Plugged in the MFJ 40 and bango.. first shot.. did finally get someone on 40 then someone on 30 to come back. In the middle of the QSO.. the guy asked what freq. I was on.. turned out that my TX and Rec were 3 KCs off.

Checked the manual and it told me to check the BFO. It was right on freq. I decided to mess with it (it was raining and I had the day off). I ended up changing the core of the coil and the value of the capacitor. I got it within .5 KCs or so. Got Cuba first call last nite and Wisconsin this AM before work. Talked for a while.. got really good signal reports (I have the RIT set for + 1/2 way to compensate for slight error).

When I checked the parts list.. turns out this is the exact same part # as the one I had trouble with in the TX/Rec board. I can only think they had a bad run. Should have got extra the first time.. The parts are cheap, but about \$6.00 for shipping.. found an article in Nuts and Bolts..guy says he has Heath parts... I would really like to get this working exactly the way it is suppose to. I really love the rig.. after all the criticism and mods I have read about it.. was amazed how well mine is working.

When I get this problem solved.. thinking about putting a contest keyer (from Nov 1990 QST) in, with the 4 buttons on the top cover.. think it would make a really fun contest rig.

Well, the real problem is that I am not exactly sure what the BFO is doing with the freq shift. Is it changing the tone I hear on receive, so that when I tune in the receive

Date: Thu, 15 Apr 93 11:45:38 -0500
From: adams@chuck.dallas.sgi.com (Charles Adams)
Subject: History of QRP

here is the chapter titles for Ade's book.

1. The K8EEG Story
2. Prologue to Exploration: The Unknowns
3. QRP Pioneers on the Frontier
4. 1925: QRP Takes the Spotlight
5. 1926-1927: Newcomers and DX'rs
6. 1930-1941 Grassroots vs. High Power QRM
7. QRP Gains Ground: 1930's
8. 1930's: The QRPr's Story
9. The Uprising of '37
10. Chapter 10 1945-1960: Before the Transistor
11. Milliwatts and Miles

As Jim said in his post. These books make interesting late nite reading.

You guys going to Dayton, be on the lookout for schematics and the old books. We can start a net library and we can start the bidding wars on the books.... ;-)

72 de k5fo chuck dit

From qrp-request@Think.COM Fri Apr 16 19:51:11 1993
From: Kevin Purcell (Rho) <a-kevinp@microsoft.com>
Date: Fri, 16 Apr 93 15:50:10 PDT
Subject: RE: History of QRP

I recommend this book for several reasons. It puts the amateur radio in a historical context. You will see that the "Average" ham has always been resistant to technological change. You will understand the politics of ham radio a little better. And you can marvel with the achievements of the early QRPers.

You can still get copies of this *great* book from Ade, who has moved from the boonies (South Dakota) to Pasadena sometime in early 1992. I don't know if he is still getting stuff forwarded from Vermillion, SD.

Send your cheque for \$12 (first class postage) to:

Ade Weis, W0RSP
2430 E Washington Blvd.
Pasadena, CA 91104

He was at this address when I finally ordered my own copy of the book at then end of last year.

The other related books:

"The Joy of QRP" is out of print (and won't be reprinted). Has the ARRL ever thought of trying to acquire the rights of a 2nd updated edition? Myself and N7RVD have been looking for copies for a over a year now. At the Puyallup Hamfest N7RVD was manning the North West QRP club booth when someone strolled up, produced a copy of "the joy" and asked "if this was any use to you guys". He wanted \$3 for it! Needless to say I was green missing an opportunity like that.

"The QRPers Guide" was (and will) never published (even though the manuscript expanded to 1000 pages or so!). A shame as this sounded like a good book.

Copies of the Milliwatt are like gold dust!

He also has preprints of the HW-8 Super contest mods for \$7. You can also get these from Ade's old CQ column. This column is still worth reading today (it started in the 1973 and continued thtough the end of the 70s/early 80s). Check your local library for back issues and make use of the xerox machine!

I have a xerox copy of Joy of QRP which I might be persuaded to copy (at cost) for those interested. Send me mail (NOT THE LIST!). I also have the Hot Water handbook (which is out of print) and the HW-8 Super contest mods.

I will also clear this with the respective copyright holders! I am also pretty busy at the moment so the response may be a little slow.

Kevin Purcell N7WIM / G8UDP
a-kevinp@microsoft.com

"We conjure the spirits of the computer with our spells"

From: Charles Adams <netmail!adams@chuck.dallas.sgi.com>
To: <qrp@Think.COM>
Subject: History of QRP
Date: Thursday, April 15, 1993 11:45AM

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72 de k5fo chuck dit

From qrp-request@Think.COM Tue Apr 13 11:35:30 1993
Date: Tue, 13 Apr 93 11:35:06 EDT
From: rar3h@phil.cs.virginia.edu
Subject: HW-8

Does anyone have any idea where I can get a replacement for the VFO tuning capacitor for my HW-8? I bought the rig second hand and I received it with the wrong cap installed so now the frequency markings on the VFO dial are completely meaningless. Heath no longer has this capacitor in stock(what a suprise)
and junker HW-8s are pretty hard to come by.

Bob Ross
rar3h@virginia.edu

From qrp-request@Think.COM Wed Apr 14 15:55:26 1993
Date: Wed, 14 Apr 1993 15:50:48 -0400
From: okas_rp%ncsd.dnet@gte.com
Subject: HW-8 info?

Hi All,

I was at my local candy store this afternoon and found an HW-8 in the consignment bin. It came complete with AC power supply, but no documentation was around. Since I'm new to QRP'ing, I would like to know if the \$90 asking price is reasonable given the "mod'ed" appearance of the unit and apparent lack of documentation. Also, what is the typical power output of a healthy HW-8? Thanks.

Bob - N3MBY

From qrp-request@Think.COM Wed Apr 14 13:28:59 1993
Date: Wed, 14 Apr 93 12:28:15 -0500
From: adams@chuck.dallas.sgi.com (Charles Adams)
Subject: HW-9

Gang,

didn't think that Jeff and the HW-9 would generate so much interest, but i guess classics are demand getters.

Jeff got his HW-9 from me in kit form. it WAS a bad habit i had during my heath days, i.e. i almost bought one of everything. building is my way of keeping away from the shrink. ;-) doesn't help, but at least i can justify the money spent. right? i knew you'd agree.

i had the kit for some time then decided i was never going to get to it. i sold it to Jeff and i had another one that i sold too.

there may be another left in dallas. i'll call the guy. no promises.

if you gotta build, i recommend the Oak Hills Research Rigs. the only problem being that they are single band rigs, but very nice in quality and performance.

Dick, KE8KL, owner and operator and designer for OHR, is very nice over the phone. i have built the old 20 mtr rig, the Spirit and the Sprint rigs.

Dick is redoing the old rig (it had a relay for switching between xmit and rcv) and calling it the Explorer.

the Sprint is the W7EL rig. mine is on 30 meters and it's a cute little critter. small and it's going on trips around the country

wid me. hot lil receiver.

i can do a more detailed review for the group, as i have written 'em up for the QQ. haven't heard from editor yet when they'll be out. i may have been blackballed for all i know. ;-)

the price ranges are

Sprint \$109.95

Explorer ~\$149.95 or \$159.95. not sure on this as price hasn't been published

Sprint now \$189.95 but going up to \$220 or so. order now and avoid the price increase, if it hasn't gone up yet.

i have the a&a engineering rigs too, but the rcvr is hotter in OHR's rigs. also, again i don't like the relay.

any of you guys built the two-fer with the new TR switch? how does it work? inquiring minds wanna know.

73/72 de k5fo chuck dit dit

p.s. any of you guys/girls coming to Arlington in June for Hamcomm?

From qrp-request@Think.COM Wed Apr 14 13:40:09 1993
Date: Wed, 14 Apr 93 11:39:58 MDT
From: datwyler@moons.sim.es.com (Doug Datwyler)
Subject: HW-9

I have a HW-9 that has not ever really worked well. I may even have a couple of the final transistors in the "drawer". What would this be worth to someone? Shipping, handling, manuals, transistors, etc.

Douglas L. Datwyler
datwyler@moons.sim.es.com

From qrp-request@Think.COM Wed Apr 14 16:54:17 1993
Date: Wed, 14 Apr 93 14:54:02 MDT
From: datwyler@moons.sim.es.com (Doug Datwyler)
Subject: HW-9

Thanks for asking the bidding to go off list. So, for further bids, send e-mail to

datwyler@moons.sim.es.com

All members not involved appreciate it.

Doug, WR70

From qrp-request@Think.COM Tue Apr 20 15:14:33 1993

From: mvjvf@mvubr.att.com

Date: Tue, 20 Apr 93 14:22 EDT

Subject: HW-9

From mvjvf Tue Apr 20 14:13 EDT 1993

From: mvubr!mvjvf (James M Fitton +1 508 960 2577)

To: mvpg!mvaeh (Arthur E Haley), alan.pike@mlo.mts.dec.com, ed@auratek.com,
evans@dkas.enet.dec.com, flem%hydra@polaroid.com, fmilos@east.sun.com,
georgen@redwood.stortek.com, halbert@crl.enet.dec.com,
mvubr!mvjvf (James M Fitton), kranz@hp-and.an.hp.com,
mvgpk!mvmed1 (Michael E Dawson), rrand@pica.army.mil,
smith@vicki.enet.dec.com, swart@curry.enet.dec.com,
mvgpf!mvwkm (William K McNally), wayne@interval.com

Cc: ehare@arrl.org, jkearman@arrl.org, lau@arrl.org

Subject: New England ARRL Conv.

Status: R

Hi Gang,

We were asked by the Vice-Director, ARRL New England Division to be guest forum speakers at the 1993 ARRL New England Convention on July 24th and 25th, 1993 in Manchester, New Hampshire.

Speakers will be offered the use of the VIP lounge with hot and cold drinks and a complementary lunch in the VIP lounge for both days of the convention.

Your indoor parking ticket will be validated and you will pick up your information packet, admission ticket and speaker badge at the Information Booth in the convention center lobby.

We intend to speak on QRP (*).

We need to send a speakers' biography and information sheet as soon as possible to advertise the forum.

The Holiday Inn is offering a special room rate of \$60 for a single or double room.

We have an excellent group of presenters that routinely make the tour of New England Radio Clubs with excellent reviews. This is an excellent opportunity to promote low power operating and portable operation with natural power and home brew equipment.

QRP Field Day,
Receiver transmitter design,
Review of current rigs on the market.
(We will ask mfgs to loan samples of rigs)
Review of current kits on the market. "
Flea market rigs for QRP
Older equipment at flea market prices
An introduction to QRP-NE
The QRP group at Dayton
Writing of 72
Running a QRP net
QRP awards and contests
Choosing rigs and antennas for backpacking, camping, summer camps,
solar, hotel operation, mobile....etc.

Many hams do not attend radio club meetings and do not get the word.

Please let me know SOON, if you are interested, and which day.
The sooner we apply, the better spot we will have on the program.

72 Jim

How to pick up rigs

Please contact me for more information.

From qrp-request@Think.COM Fri Apr 23 09:10:52 1993
Date: Fri, 23 Apr 93 08:10:43 -0500
From: adams@chuck.dallas.sgi.com (Charles Adams)
Subject: HW-9

gang,

received my HW-9 yesterday, wid p/s, tuner and swr bridge.
working ok, going to tune it up this weekend, between the yard
and painting the inside of the house.

question: anyone have a match for the brown of the cabinet?
inquiring minds wanna know. just a touchup or two is all that's
needed.

thanks doug.

everyone gone to dayton?

72 de k5fo chuck dit dit

From qrp-request@Think.COM Wed Apr 14 14:24:27 1993
From: g-taylor4@tamu.edu
Date: 14 Apr 93 13:23:36 CDT
Subject: Re: HW-9

>

> p.s. any of you guys/girls coming to Arlington in June for Hamcomm?

If everything works out just right will be stopping to visit my
brother-in-law in Arlington on our way back to College Station from
Colorado that weekend (what a coincidence!).

72, Greg, KD4HZ

Dr. Gregory S. Taylor !MAIL: 110 Dairy Science Building
Extension Program Leader for ! College Station, TX 77843-2124
Community Development !VOICE: 409-845-4445
Texas Agricultural Extension Service!FAX: 409-847-8744
Texas A&M University System !EMAIL: Reply or g-taylor4@tamu.edu

From qrp-request@Think.COM Wed Apr 14 15:25:57 1993
Date: Wed, 14 Apr 93 15:18:55 -0400
From: lakeith@wrdis01.robins.af.mil (CONTRACTOR Larry Keith;WR-ALC/653 CCSG/SCDD)
Subject: Re: HW-9

In your message of 14 Apr 1993 at 1440 EDT, you write:

>
> p.s. any of you guys/girls coming to Arlington in June for Hamcomm?
>

Chuck,

Is it worth my time to haul my pieces parts from the middle of GA?
How many people show up?

Tnx,

Larry KQ4BY

From qrp-request@Think.COM Wed Apr 14 15:27:55 1993
Date: Wed, 14 Apr 93 15:14:39 -0400
From: lakeith@wrdis01.robins.af.mil (CONTRACTOR Larry Keith;WR-ALC/653 CCSG/SCDD)
Subject: Re: HW-9

In your message of 14 Apr 1993 at 1440 EDT, you write:

> I have a HW-9 that has not ever really worked well. I may even have a couple
> of the final transistors in the "drawer". What would this be worth to
> someone? Shipping, handling, manuals, transistors, etc.
>
> Douglas L. Datwyler
> datwyler@moons.sim.es.com
>

I will start the bidding at \$20.00

Larry, KQ4BY

From bruce@Think.COM Wed Apr 14 16:23:19 1993
From: Bruce Walker <bruce@Think.COM>
Date: Wed, 14 Apr 93 16:23:18 EDT
Subject: Re: HW-9

Hey, guys, please take the bidding process off of the QRP list...
just send your bids to the seller.

--bruce WT1M

From qrp-request@Think.COM Thu Apr 15 10:32:10 1993
Date: Thu, 15 Apr 93 10:31:14 -0400
From: lakeith@wrdis01.robins.af.mil (CONTRACTOR Larry Keith;WR-ALC/653 CCSG/SCDD)
Subject: Re: HW-9

In your message of 14 Apr 1993 at 1743 EDT, you write:

> Thanks for asking the bidding to go off list. So, for further bids,
> send e-mail to
>
> datwyler@moons.sim.es.com
>
>
>
> All members not involved appreciate it.
>
> Doug, WR70
>

OOPS!

Sorry about that, I got carried away.

73,

Larry KQ4BY

From qrp-request@Think.COM Fri Apr 23 11:08:19 1993
Date: Fri, 23 Apr 1993 11:06:58 -0400 (EDT)
From: Robert Marlan <rsm@world.std.com>
Subject: Re: HW-9

Any ideas where I can obtain a HW-9
called heath but they said they were GONE!
How much better is the hw-9 than the hw-8??
73's see you all in dayton!!!
bob ka6noc

From qrp-request@Think.COM Fri Apr 23 13:28:19 1993
Date: Fri, 23 Apr 93 17:06:02 GMT
From: jkearman@arrl.org (Jim Kearman)
Subject: Re: HW-9

Well, I didn't go to Dayton this year; looks like it might rain on the flea mkt tomorrow, so maybe as well.

My GRC-109 set came today, and it looks okay. Wish I had some xtals for the xmtr, but a vfo is in the works. This is the ultimate FD rig: watertight! Xmtr runs about 10-15 watts max (2E26). The receiver tuning rate is FAST!!! Thirty meters is about 1/4 turn of the knob. Also provisions for xtal control of rcvr. Rcvr bandwidth is 9 kHz, so you have plenty of room to slow down the tuning!

They cover 3-24 MHz. Rcvr could probably be persuaded to cover 12 meters but see Tuning Rate above...

Three cast aluminum boxes 5.5 x 5.5 x 8.6 inches, with covers held by thumbscrews. Even with the covers off, everything is gasketed against moisture. Very military looking; will fit in with my "low profile" station at home.

The manual has a 1962 printing date; I pulled one tube out of the receiver, which has a date code of late 1964. I never saw these guys in Vietnam in 1968; they were probably sitting in a warehouse in California.

You wouldn't want to backpack these critters; they weigh about 25 lb, but look like they'd survive an attack by the ATF or FBI.

I hope to be on 40 meters with it in a couple of weeks. I want to make a VFO for the xmtr first.

72,

Jim, KR1S

--

jkearman@arrl.org

From qrp-request@Think.COM Wed Apr 14 16:10:32 1993

Date: Wed, 14 Apr 93 15:10:23 -0500
From: adams@chuck.dallas.sgi.com (Charles Adams)
Subject: HW-9 bidding

Doug et. al.,

i'll bid \$100. that should get it up to some reasonable level soon.....

ok boys and girls, get out the old wallets. operators are standing by to take your order.

73 de k5fo chuck

From bruce@Think.COM Tue Apr 20 13:55:13 1993
From: Bruce Walker <bruce@Think.COM>
Date: Tue, 20 Apr 93 13:55:27 EDT
Subject: HW-9 diode mod / Dayton

First of all, I'm headed to Dayton after Wednesday, so anything sent to QRP-Request@Think.COM during that time will be serviced next week.

Last night, I put the diode mod into the HW-9 I've been working on. This mod appeared in one of the magazine articles (QST or 73) on HW-9 mods, but unfortunately I can't remember which one.

The HW-9 uses diode steering between TX and RX paths for QSK. There are 5 diodes directly in the RF RX path, and Heath used pretty lossy diodes in the design. The article suggests replacing them with Schottky diodes. I didn't have any Schottkys, but I did have some cheap Germanium diodes (about which I know nothing) from Radio Shack. Actually, I have Schottkys, but they are big (for power applications).

Using 12V and a ~10k resistor in series, I measured the voltage drop across the Heath parts (.79V!), the big Schottkys (.22V) and the Germaniums (.27V). Sounds like it's in the right direction; I don't know about the noise of these components. I put the Germaniums in, and an S6 reference signal on 10m went to S9+20 on the meter. Now, I can't infer much about db from the meter (this meter seems to take a lot to get it off zero, and very little to get it to S9 once it's moving), but I'll call it a qualitative victory.

The same article suggests replacing the first mixer (a dual-gate MOSFET) with something which doesn't fall off as much over the HF range...both these mods are to to liven up the RX performance on the higher frequencies.

I'll probably try that after Dayton.

I also finally found a cold solder joint which explained the flakey AGC performance I had been having.

72 --bruce WT1M

From qrp-request@Think.COM Wed Apr 14 12:53:33 1993
Date: Mon, 12 Apr 93 13:40:53 EDT
From: diana@Kodak.COM (Gary M. Diana 39623)
Subject: hw-9 questions

Jeff -

I just read your post from qrp@think.com. Where did you find a hw-9 still in kit form??? I would love to get my hands on one of them!

Does the hw-9 utilize a direct conversion receiver, or is it a super het design? If an hw-9 kit is not available, I have been thinking about getting an hw-9 manual, and try to build a multi-band qrp rigs from the hw-9 schematics.

Anything more you can tell me about the hw-9 would be appreciated.

Thanks and 73.

- Gary N2JGU

p.s. Please, anyone with the above information, feel free to answer away!

From qrp-request@Think.COM Mon Apr 12 12:29:40 1993
Date: Mon, 12 Apr 1993 10:29:34 EDT
From: "Fred Cady iieefc@msu.ocsc.montana.edu" <fred_c@ece.ee.montana.edu>
Subject: HW-9 wanted

Does anybody know of a source of unbilt hw-9's? I would like to put one together but blew it when Heathkit went out of business.

Thanks, if anybody can help.

Fred, KE7X, Bozeman, MT iieefc@msu.ocsc.montana.edu

From qrp-request@Think.COM Wed Apr 21 16:21:04 1993
Date: 21 Apr 1993 14:19:11 -0600 (MDT)
From: Tom Schomburg <TSCHOMBURG@cudnvr.denver.colorado.edu>
Subject: hw9 available -- needs debugging

Hi everybody -- I've been reading the QRP mail with pleasure. Thanks to all those who have made this list possible.

I have a non-working hw9 that I brought home from a hamfest thinking that I would have time to debug it. But, surprise, surprise.... I haven't gotten around to it. So, if you're interested, send me e-mail (not to the list, please). Either of the e-mail addresses below will work.

Keep up the good QRP experimenting & operating, folks -- 73, Tom

Tom Schomburg, N0MCX
tomschom@csn.org
tschomburg@cudnvr.denver.colorado.edu

From qrp-request@Think.COM Wed Apr 14 12:22:44 1993
Date: 14 Apr 1993 11:22:19 -0500 (CDT)
From: "Jeff M. Gold" <JMG@tntech.edu>
Subject: HW9s

Hello all,

Well I haven't figured whether I will be at Dayton.. too much temptation.. but would like to meet a bunch of QRPers.

Wondered if anyone has actually used a HW9. Trying to figure out whether I am exhibiting the "Proud Father Syndrome" or whether the HW9 is really performing as well as I think it is.

Just got the last bug out of it.. boy was I stupid.. the rig was Tx and Rec on different freqs. Turned out to be the Transmit Return adjustment.. took a few minutes to fix it and is right on the money now.

The rig seems to perform exceptionally well on crowded noises bands (like 40 and 30 has been here in TN lately). I have also been getting excellent signal reports on the quality of my signal.. not just quickies .. but have discussed it during nice rag-chew QSOs.

The only mod I would make is to maybe build a contest keyer in the top cover.

73s de Cookeville, TN
Jeff, AC4HF

From bruce@Think.COM Wed Apr 14 13:05:21 1993
From: Bruce Walker <bruce@Think.COM>
Date: Wed, 14 Apr 93 13:05:20 EDT
Subject: HW9s

An HW9 is my current project: my elmer gave me a busted HW9 to hack on. The only real problem was that the finals were burned out, and it needed an alignment. This rig has two mods, and I love it! First, it has a Kenwood 500Hz crystal filter which he picked up from a hamfest somewhere and stuck in the IF (same IF freq, obviously). Second is the anti-thumping-QSK mod from one of the published articles. With the 500Hz filter in all the time, and the audio filter selectable, it performs extremely well on crowded/noisy bands.

At first, I didn't have a local source for the MRF237 finals, so I put in a single lower power transistor. I worked across the Atlantic (G and F, from MA) on my first try at 300mW out on 15m on a Zepp. Just two nights ago I received the mail-order MRF237 replacements and fired it up; first two contacts were Ukraine on 40 at 2W and Azores on 1W. Fun stuff!

I do think the receiver is a little deaf; I can almost always work 'em if I can hear 'em. I'm planning to try out a couple of the receiver mods I have copies of (like replacing the TX/RX steering diodes). I'm also sure the AGC on this rig is flakey...need to debug that. Anyway, congratulations on getting yours on the air!

--bruce WT1M

From qrp-request@Think.COM Fri Apr 16 17:23:14 1993
Date: Fri, 16 Apr 93 14:23:07 PDT
From: paulb@harley.tti.com (Paul Blumstein)
Subject: I got a problem

(No, that is not the name of a new quiz show :-)

Preamble:

I've owned an A&A 30 M QRP Kit since February. (Just call me slow hand :-).

Because of work load, I've used it through only 7 QSOs thus far. It initially worked well & was tuned for 9 Watts. I planned to detune it to 5 once I got the hang of QSOing in CW.

The first symptoms:

My Rat Shack Watt/SWR meter showed an increase in wattage to 12 watts and an SWR of 3:1. I checked the antenna & coax with my MFJ SWR Analyzer which still showed the 1.3:1 that it had previously done.

So, I brought in my meter in for a warantee repair. (And they charged the store \$20 for a \$30 meter!). A week later, I had it back. Same symptoms. I returned it to RS & complained. They gave me a new meter.

It seemed to work out of the box & then exhibited worse symptoms. The SWR pinned the needle off-scale (to the right).

Cursing RS, I ordered a Diamond SX-200.

Same symptoms. Now, I had to believe that it wasn't the meter. Poking around, I discovered that the braid on my R8/M coax has disconnected from the PL-259 connector. Aha!

I resoldered on a new connector. Now I was back to the 3:1 SWR.

The current symptoms:

With a dummy load: Rig tuned for 5 watts output; 0 reflected power & 1:1 SWR.

With my inverted-vee dipole (with balan) hooked up:
7.5 Watts out, 2.5 watts reflected, 3:1 SWR. (I assume that the increase in wattage is due to the reflected wattage going out again).

SWR analyzer: shows antenna (even through meter) of 1.3:1.

One theory that I had: PI filter in output went bad (perhaps the open antenna blew a capacitor?) and I was generating harmonics.. and it was the harmonics reflecting back. I put a paper clip & attenuator as an antenna on my Drake R-8. Xmtting & Rcvng on 10.12 MHz, I got a 30db over S9 reading. Receiving on 20.24 MHz, I got an S8 reading. Is this proper attenuation????

Any ideas on what to check?

TIA,
Paul (kd6laa/qrp/qrs)

From qrp-request@Think.COM Sat Apr 17 06:11:17 1993

Date: Sat, 17 Apr 1993 11:02:32 MDT
From: "Dick Hissink" <dihi@bsdihi.atr.bso.nl>
Subject: Jandek QRP tranceiver kits

Wow, this is a nice mailinglist to be subscribed to! I was amazed about the number of messages received. To clean the list up I deleted a lot of messages after reading..

Unfortunately I also deleted a message from somebody who asked for more details of my just finished 40 M transceiver from Jandek UK.

So, although I don't know who was asking, here some details about the kit. Jandek sells all kinds of modules to stimulate the homebrewing. For a QRP CW transceiver you need 12 small modules, being:
Audio Ampl, AF LPF (SSB), AF LPF (CW), VFO, 1/2 Wave filt, RX front end, QRP/CW TX, CW T/R Switch, VFO T/R Switch, RIT, Sidetone + RX mute, MC1496 Mixer.

The receiver is DC, filters are active, output on 40 mtrs abt 1,5 Watts.

All modules are well documented and contain a PCB plus all components. I bought the 12 modules for 55 British pounds.

Unfortunately the company is very small. They don't accept credit card orders so you have to send a cheque first.

I am very happy with this transceiver. The only thing missing is a good frequency readout, so I am thinking of building in a small counter.

--

Dick Hissink PA3DSP
Email:dihi@bsdihi.atr.bso.nl

From bruce@Think.COM Thu Apr 15 16:45:01 1993
From: Bruce Walker <bruce@Think.COM>
Date: Thu, 15 Apr 93 16:45:00 EDT
Subject: mailing list vs newsgroup

Several people have asked me in private mail why this is a mailing list rather than a newsgroup. The short answer is that it's easier to set up a mailing list, and mailing lists usually have a much better signal-to-noise ratio than Usenet, probably because the readership is much smaller and more focused.

However, we all need to be considerate so that we keep it that way. Many people have very limited incoming mail space and are very intolerant of garbage mail. Two or three people left the list during the HW9 bidding

yesterday. So please think before you send: is what you are saying of interest to or contributing to a discussion among the group at large? If not, consider sending private mail if it's just a reply that only an individual is interested in or a bid for equipment.

If a newsgroup rec.radio.amateur.qrp were to exist, there would be no need for this list to exist, except perhaps to gateway the newsgroup to those who can't receive news. However, that battle would need to be fought in the forum for creating groups in Usenet, and I'm not up for the fight. I would much rather have a forum with a few hundred really interested parties than a newsgroup with 10,000 not-so-interested members.

tk5 es 73 de wt1m

From qrp-request@Think.COM Tue Apr 13 10:23:09 1993
Date: Tue, 13 Apr 1993 07:20:36 -0700 (PDT)
From: "Kevin W. Russell" <krussell@netcom.com>
Subject: MFJ vs Tejas?

I am interested in getting a small QRP rig for camping and business trips and am looking at the MFJ radios as well as the Tejas RF Technology Backpacker II. Does anyone have any experience with either one? Has anyone built one of the Backpacker IIs. I have built the Ramsey 2 meter transceiver kit but am not sure how hard the Backpacker would be.

Kevin W. Russell (N7QKU) krussell@netcom.com
Salt Lake City, Utah (801) 575-3251

From qrp-request@Think.COM Mon Apr 12 13:59:11 1993
Date: Mon, 12 Apr 1993 13:58:57 -0400
From: Thornwall <thorn@wam.umd.edu>
Subject: Mizuho MX-14s QRP rig

Hello, has anyone had any experience with the Mizuho MX-14S CW/SSB QRP HF HT? It looks like a good SSB QRP rig to take backpacking or hiking. It is sold by J-COM, they have an ad in QST.

TNX, Greg KD3SU

internet : thorn@wam.umd.edu

From qrp-request@Think.COM Sun Apr 18 18:33:12 1993
Date: Sun, 18 Apr 1993 8:41:31 -0500 (CDT)
From: James Speer <F_SPEERJR@CCSVAX.SFASU.EDU>
Subject: Most memorable qrp qso

Wonder if any of you folk can think of one qrp qso that is especially memorable? Somehow I got to thinking back last night, and one particular one came to mind. During this one, I was running a KW.

It was about 3 am local time and I was all by myself, operating the club station on the Stanford campus -- W6YX. Great banks of Collins S-line equipment, a KW final, and a full-sized, 4-element beam on 20m, up about 80 feet (that was a FINE station).

I heard a ZL call CQ at the lower end of 20, answered him, and swung the beam around. Once I got on him, he was about 579, and we had the usual exchange. THEN he told me he was camping at a lake in the mountains on the South island, had a random wire flung up in a tree, and was running about 150 mw.

That circuit held up for more than an hour, and we chatted the whole time. The ZL was fishing, and we broke briefly as he'd check his baits, and once, when he actually caught a fish. We talked about ham radio, about our families and our lives, about the state of the world...you name it.

All this was nearly 20 years ago, but I still remember it quite clearly. It was on account of that qso, and realizing how satisfying it must have been for the ZL to work out that way with his home-brew tin whistle, that got me hooked on qrp to begin with.

Cheers & 73,
Jim K5YUT

From qrp-request@Think.COM Fri Apr 23 17:06:37 1993
Date: Fri, 23 Apr 93 14:06:31 PDT
From: paulb@harley.tti.com (Paul Blumstein)
Subject: My problem -- part 2

I brought mt 30M A&A QRP Xcvr into work to look at it with a scope. I used a dummy load. Everything looked normal. If you recall, my SWR w/dummy load was 1:1 (no refl power). With my antenna, my SWR was greater than 3:1. AND my antenna on an SWR analyzer showed 1.3:1 on the freq in question, the same as it did before the problem began. (I can't take the scope home to see what happens on the antenna).

So, the problem seems to be SWR related. I noticed that the red color of the core on the last coil of the lo-pass was darker than the first coil. they are supposed to be the same

core, but i do not remember if the color was different on building.

So the question is: When I had the braid open, could I have heated the core and changed it;s characteristics enough to cause these symptoms? Any other thoughts? Any help from anyone would be appreciated.

TIA,
Paul (kd6laa)

From qrp-request@Think.COM Wed Apr 14 17:59:54 1993
Date: 14 Apr 1993 16:59:41 -0500 (CDT)
From: "Jeff M. Gold" <JMG@tntech.edu>
Subject: New rigs

Be pretty exciting if Ten Tec came out with an inexpensive QRP would be very tempting.. especially if it was multiband.. multiband and SSB.. boy.. for about \$350 would be nice..

Wondering if Icom is going to come out with a big brother for the 737... newer type rig in the 990/850 class.. replace the 765..

I am very tempted to go to Dayton.. but know it would end up costing thousands.

73s

Jeff, AC4HF

From qrp-request@Think.COM Thu Apr 15 10:43:43 1993
Date: Thu, 15 Apr 93 10:37:01 -0400
From: lakeith@wrdis01.robins.af.mil (CONTRACTOR Larry Keith;WR-ALC/653 CCSG/SCDD)
Subject: Re: New rigs

In your message of 14 Apr 1993 at 1842 EDT, you write:

>
> I am very tempted to go to Dayton.. but know it would end up
> costing thousands.
>
> 73s
>
> Jeff, AC4HF
>

But, it will be the best time you ever had!!!! I missed last year for the first time in 15 years. As long as I can hobble around the flea market, I will be there. An when that happens, I will get a golf cart and scare the hell out of the other attendees.

Seriously, if you can make it, its the thrill of a lifetime for any ham!

73

Larry KQ4BY

From qrp-request@Think.COM Wed Apr 7 17:25:56 1993
Date: Wed, 7 Apr 1993 15:22:55 -0600 (CST)
From: Peter Hardie <hardie@herald.usask.ca>
Subject: OCT 92 ARCI results?

I haven't received the January QQ (probably sent in my renewal too late). Anybody seen the results of the OCT 92 ARCI contest? Was I more than half way up the list? :-)
peter.hardie@usask.ca
VE5VA

From qrp-request@Think.COM Wed Apr 21 08:18:11 1993
From: Bill Kelsey <kelsey@csn.org>
Subject: Plessey SL6440 Mixers
Date: Wed, 21 Apr 1993 06:18:03 -0600 (MDT)

Kanga US now has Plessey SL6440 high level mixer chips. Dick brought in a bunch from the UK last night. We will have them at Dayton (table 242) and will have them at the hospitality suite at Days Inn South.
See you all there!
73/72 - Bill - N8ET

From qrp-request@Think.COM Fri Apr 16 15:16:46 1993
From: jpo@acd4.acd.com (Jim Osburn)
Subject: Portable Antenna
Date: Thu, 15 Apr 93 23:39:59 EST

Perhaps an off-center-fed dipole with a single wire feeder
(see pages 364 and 365, The Radio Amateur's Handbook, ARRL, 1961)

would make a good portable antenna.
No coax or twin lead to lug, just wire.

Jim, WD9EYB
jpo@acd4.acd.com

From qrp-request@Think.COM Fri Apr 16 16:14:45 1993
From: g-taylor4@tamu.edu
Date: 16 Apr 93 15:13:12 CDT
Subject: Re: Portable Antenna

> Perhaps an off-center-fed dipole with a single wire feeder
> (see pages 364 and 365, The Radio Amateur's Handbook, ARRL, 1961)
> would make a good portable antenna.
> No coax or twin lead to lug, just wire.

But, you'd likely have to lug a matching system - unless the rig could handle that type of feed.

Greg, KD4HZ

Dr. Gregory S. Taylor !MAIL: 110 Dairy Science Building
Extension Program Leader for ! College Station, TX 77843-2124
Community Development !VOICE: 409-845-4445
Texas Agricultural Extension Service!FAX: 409-847-8744
Texas A&M University System !EMAIL: Reply or g-taylor4@tamu.edu

From qrp-request@Think.COM Thu Apr 15 20:15:46 1993
Date: Thu, 15 Apr 1993 19:16:33 -0500 (CDT)
From: James Speer <F_SPEERJR@CCSVAX.SFASU.EDU>
Subject: portable dipoles

About 15 years ago I was living in a two-story apartment building in Northern CA. No visible antennas were allowed and I wanted to run my HW-8 so badly I could taste it (and many ops subsequently remarked I ran it very badly indeed).

So I made parallel dipoles out of #28 wire, fed them with miniature 50 ohm coax, strung them about TWO FEET above the roof, ran the coax down the A/C ducting, and worked muchos J's, KH's, KL's and all over the lower 48.

Guess the whole antenna weighed 2 pounds. Never knew what the SWR was, or how much power I was actually radiating, but it worked. And it would sure go in a backpack.

However...my present daydream is a back-packable 4-square phased vertical array. Will save the details for later, but it involves more #28 wire, and BALOONS.

Cheers & 73!

Jim, K5YUT

From grp-request@Think.COM Thu Apr 15 21:14:09 1993

Date: Thu, 15 Apr 93 18:14:05 PDT

From: paulb@harley.tti.com (Paul Blumstein)

Subject: Re: portable dipoles

```
> So I made parallel dipoles out of #28 wire, fed them with miniature 50
```

```
>ohm coax, ...
```

The coax was so small that it was only 10 ohms :-)

From grp-request@Think.COM Thu Apr 15 15:54:39 1993

Date: Thu, 15 Apr 1993 15:49:00 +0000

From: "Michael (W.M.) Babineau" <babineau@bnr.ca>

Subject: Portable Dipoles (was Portable Verticals)

Howdy :

When I first started out in Amateur Radio I built a multi-band dipole that was ideally suited for portable QRP operation. This was out of a issue of CQ magazine from circa 1978. Basically it was a 40m/20m/15m/10m dipole which used pieces of plexiglass as insulators. What you had was basically a 10m dipole with a series of subsequent wire sections, which were separated by insulators and had a short piece of wire and an alligator clip to connect it to the previous section. So if you were using the antenna on 10m, all you had to do was move the alligator clips up to "add" on the next segment and make the antenna resonant on 15m. To go to 20m, you would then "add" on the next segment, by moving the clips.

You would just keep adding on sections by moving the clips, until you had a full length 40m dipole. The only disadvantage of this is that you have to lower the antenna most of the time to change bands. But it makes for a simple antenna that is resonant on multiple bands ... without the need of a tuner.

The antenna was constructed such that the jumper was soldered to the segment and the alligator clip at the other end of the jumper was clipped to the segment when the jumper wasn't being used to bridge an insulator.

Thus by moving the clip you would effectively add the length of the jumper plus the following segment of wire to the length of the antenna.

| ----- 10m ----- |
 | ----- 15m ----- |

```

|----- 20m -----|
*-----|*^-----|*^-----<>-----^*|-----^*|-----*
      |_|      |_|      |_|      |_|

```

* = insulator <> = feedpoint ^ = alligator clip |_| = wire jumper

Very simple and very cheap.

Michael VE3WMB

From qrp-request@Think.COM Thu Apr 15 16:36:45 1993
 Date: Thu, 15 Apr 93 13:36:41 PDT
 From: paulb@harley.tti.com (Paul Blumstein)
 Subject: Re: Portable Dipoles (was Portable Verticals)

Michael (W.M.) Babineau says:

>
 >When I first started out in Amateur Radio I built a multi-band dipole that was
 >ideally suited for portable QRP operation. This was out of a issue of CQ
 >magazine from circa 1978. Basically it was a 40m/20m/15m/10m dipole which used
 >pieces of plexiglass as insulators. What you had was basically a 10m dipole
 >with a series of subsequent wire sections, which were separated by insulators
 >and had a short piece of wire and an alligator clip to connect it to the
 >previous section....

A scheme like this (possibly exactly like this) is in a current
 book. I believe it is in Noll's "Easy Up Antennas". (My library
 is home & I'm not).

Paul

From qrp-request@Think.COM Wed Apr 14 18:16:08 1993
 Date: 14 Apr 1993 17:15:43 -0500 (CDT)
 From: "Jeff M. Gold" <JMG@tntech.edu>
 Subject: Portable vertical

Hi,

being senile, don't remember whether I posted this.. so lets
 do it again (I am currently teaching an intro to computers
 course.. they are all doing a spreadsheet project.. taught
 them so well..only need to be in the room to answer an
 ocassional question.

Well CQ a while back had an article about a 1/4 vertical made very inexpensively from PVC. I made one and it worked good and so I made a 1/2 wave to see what the difference would be.. worked a lot better.. very broad banded and surprisingly with only 2 radials..really gets the signal out (see Feb 93 QST). These are helically wound.

Well been testing both the new MFJ 20 and 40 out and wanted to take them both portable (they both will easily fit in the bottom of my backpack).

I have the bottom section of my original 20 meter with 2- 40 meter length radials. I then wound the rest of the needed length to make the equivalent of a 40 meter 1/2 half wave (about 3/4 of the total needed coiling on the top section.. so I wouldn't have to mess up the 20 meter part). First try no reasonable SWR..pigtailed another length of wire.. got a little closer..put one more length then cut off a section.. never even soldered them.. didn't space out the windings.. and just used electrical tape to kinda keep things in place while I was playing around. Using the MFJ digital antenna analyzer makes these things easy for me to experiment with.

Well I noticed the only difference the coiling seemed to make was to effect the electrical length of the antenna.. thus changing the SWR. Got the SWR down to about 1.3:1.. put a whole mess of tape around the mess I had created and it was just starting to get dark.

I ran in the house and got the 2- MFJ rigs and a Gell Cell.

The antenna really seemed to be receiving well from my driveway.. Heard someone calling CQ.. gave him a call and he came right back. Think he was a 579 with 100 watts on a Kenwood 450 and some kinda permanent antenna. Think that wasn't bad for 4 watts and some plastic pipe.

I took the 20 meter top and replaced it and checked the SWR.. was still perfect.. So I can use the antenna on 2 bands with the same 40 meter radials and just replace the top section.

I am next going to see if I can use my small tuner to tune it on someother bands...

I am going to come up with a very small light weight multiband portable antenna that will go well with

backpacking (day packing that is.. I like to climb mountains in the smokies and set up.. may start using my HW9).

73s

Jeff, AC4HF

From qrp-request@Think.COM Thu Apr 15 09:51:48 1993
Date: Thu, 15 Apr 93 13:35:14 GMT
From: jkearman@arrl.org (Jim Kearman)
Subject: Re: Portable vertical

Jeff Gold mentions his success with helically wound antennas, and his desire to have something light to take backpacking. IMHO you can't go wrong with plain ol' wire. You can always roll up the ends of a 40-meter dipole to make it work on 30, 20, etc. I have a tuner based on an L match circuit Wes Hayward described in Solid State Design. It uses a switched load to simplify adjustment. You can build it in a plastic box. I used it at Dayton last year to work 40/30 from my hotel room, with a 66-ft end-fed wire.

To launch wires I use a slingshot and a "Gator Yoyo." See "Low Profile Amateur Radio" for a photo of a Gator Yoyo. If you get stranded, you can always use the slingshot to put a rabbit in the pot!

72,

Jim, KR1S

From qrp-request@Think.COM Thu Apr 15 11:19:27 1993
Date: Thu, 15 Apr 93 10:19:19 CDT
From: dadams@cherry.cray.com (David Adams)
Subject: Re: Portable vertical

jkearman@arrl.org (Jim Kearman) wrote:

>IMHO you can't go wrong with plain ol' wire. You can always
>roll up the ends of a 40-meter dipole to make it work on
>30, 20, etc.

This is a confusing piece of information. I wonder if anyone could help clear this up for me. (Stupid question follows)

I had the notion that by adding a coil or an inductor one could

effectively shorten the length of the antenna required. So that by rolling up the ends of a 40 meter dipole should increase the inductance and make it act like a longer antenna, not a shorter one.

Do I understand this all wrong? Please feel free to give mathematical explanations.

--David C. Adams Statistician Cray Research Inc. dadams@cray.com

They moved all the streets around while you were sleeping last night.

From qrp-request@Think.COM Thu Apr 15 12:29:02 1993
Subject: Re: Portable vertical
Date: Thu, 15 Apr 1993 09:17:04 -0700
From: Clark Savage Turner WA3JPG <turner@safety.ICS.UCI.EDU>

I would echo Jim's comment about "plain ol'" wire antennas for the backpacking at heart. (Not that I don't appreciate the helically wound vertical.....honest!)

You can get a 65 foot dipole wound up pretty tight, light and neatly into your pack, along with twin lead if you desire. You can wind back the ends (physically and electrically shorten the antenna.... as in short the physical end of the antenna to the shorter end you desire at, say 16 feet from the center) and have the dipole of your choice.

As for me, I have backpacked along the Appalachians with an Argonaut (509) and its matching little tuner. I use a piece of thin wire about 100 feet long and throw it up into a tree in any fashion feasible, then back up to run out the wire as long as is comfortable. I connect the end to the tuner, and I can get on all bands. If I am located well, I do darned respectably on 40 SSB (my favorite place to go QRP lately). I usually carry "D" cells for power, the power to weight ratio is better than gel cells it seems....and I am already pretty loaded just carrying the Argo monster. But I have a heck of a lot of fun.

I have also used verticals, but usually wires with fishing line attached and slung over a branch to give me the active quarter wave vertical part, then a couple of random wires on the ground for radials. Seems to work well on the higher bands when I have a fairly low angle to the horizon, but my verticals on the 40 meter band have been to difficult and just unpredictable (75 is probably worse, never tried a wire vertical there....), so the 100 foot wire goes up. Heck, a 100 foot wire is just about all I ever use, even at home!

Clark

.....

Clark Savage Turner, Graduate Student Researcher
Safety Critical Software Group home:
Department of Info. and Computer Science 1514 Verano Place
Irvine, CA. 92717 Irvine, CA. 92715
(714) 856 4049 (714) 856 2131

WA3JPG, QRP #3526, active on HF, VHF and UHF.
Admitted to practice law in California, Massachusetts, and New York.
ARRL Volunteer Counsel

From qrp-request@Think.COM Thu Apr 15 13:01:15 1993
Date: Thu, 15 Apr 93 12:01:07 CDT
From: dadams@cherry.cray.com (David Adams)
Subject: Re: Portable vertical

Wayne N6KR explained: (and I hope he doesn't mind being quoted)

>By "rolling up the ends" he means, roll up the wire, then SHORT IT OUT so
>it doesn't become a big inductor. In other words, you turn the unwanted
>length into a big chunk of metal that looks neither inductive or capacitive
>to the now-shortened antenna.

Cool! I suppose you could put some marker like tape on the wire to mark
the correct spot for favorite bands and even individual frequencies. ;^)
(And no math. ;^)

>Personally, I favor the trap approach instead: put traps in the antenna so
>that it will resonate on multiple bands without any operator intervention
>(translation: yanking it down from the tree to change bands!). I'm
>building a trap dipole for 40/30/20/15 meters as a companion to a miniature
>backpacking rig that I just finished that covers all four bands (at once!).

Hmm, can anybody explain what a trap is to a (well I'm not a Novice, but
I am a novice in the since that I am new to this.)

>Good luck,

--David C. Adams Statistician Cray Research Inc. dadams@cray.com

They moved all the streets around while you were sleeping last night.

From qrp-request@Think.COM Thu Apr 15 13:09:29 1993
Date: Thu, 15 Apr 1993 13:06:21 -0400
From: halbert@crl.dec.com
Subject: Re: Portable vertical

This discussion about portable antennas reminded me of a W7ZOI item from SPRAT. It's short enough that I will include the whole thing below. I never saw any followup, but it stuck in my mind. The idea of no feedline was quite appealing, and the use of a 3/4 wavelength leg is clever.

Dan Halbert, KB1RT

from SPRAT 52 (Autumn 1987), p. 13: (copyright G-QRP Club)

AN ALTERNATIVE PORTABLE ANTENNA
By Wes Hayward, W7ZOI

My standard portable antenna has long been an inverted V dipole. It's easy to get into a tree and is efficient and predictable. However, even this is sometimes difficult. It's hard to get a dipole into the air if you are alone and the QTH is in moderately dense woods. Even after the V center is up, it can then be difficult to spread the dipole legs. Also, a dipole is not always convenient with regard to a portable operating position. Finally, the coax cable that is often hauled along with such an antenna can be a bit heavy. Weight is of no significance during the automobile bound outing, but becomes of greater importance during extended treks on foot, skis, or snowshoes.

An antenna used on a couple of recent outings offers some appeal. This is a 3/4 wavelength piece of wire, fed again a single, quarter wavelength radial. The 100 ft wire (for 7 MHz) is usually flung into a tree in an inverted L form. The overall length keeps the transmitter feed at a high current point. This keeps high rf voltages away from the key and the rig. The single radial is place on the ground, bushes, or snow.

We have yet to do comparative measurements with this antenna against a reference dipole. Preliminary results suggest that the antenna performs much like a dipole at a similiar height above ground.

From qrp-request@Think.COM Thu Apr 15 13:31:43 1993
Date: Thu, 15 Apr 93 17:16:37 GMT
From: jkearman@arrl.org (Jim Kearman)
Subject: Re: Portable vertical

David Adams (dadams@cherry.cray.com) asks about rolling up the ends of a dipole.

If you wound the wire onto a piece of plastic tubing, so the turns were spaced apart, you'd add inductance. If you're using bare wire and you just wrap it up, it's shorted together.

The actual impedance of a dipole (or any antenna) depends on the proximity of other objects, including the ground. On a field trip you aren't going to know how high you can get the thing, so some tweaking will be required anyway.

With a half-baked tuner, a 40-meter dipole can be used on several bands without adjustment. I know. I worked 300 countries in 2 years with one! (NOT QRP.)

72

Jim, KR1S

--

jkearman@arrl.org

From qrp-request@Think.COM Thu Apr 15 15:06:18 1993
From: peacock@hermes1.sps.mot.com (Don Peacock)
Date: Thu, 15 Apr 93 11:59:33 MST
Subject: Re: Portable Vertical

I've been listening to the list for a little while, and thought I would make my presence known. This may be the wrong list but it is about as close as have been able to find.

My current interest is uhf/vhf antennas that can be backpacked etc.

I have had good luck to date with collinear arrays fashioned from split 300ohm twinlead, the Gottengen Heart antenna made from aluminum foil and also some lightweight interlaced log periodics for 2meter interlaced with 440 elements as well.

I would like to find a group discussing these issues if possible. However an antenna is an antenna and you fellows probably have some valid experiences and knowledge I could use.

I am enjoying the qrp list and may get re-interested in HF operation (portable)

by reading the list.

Thanks
73,

N7PMN (N7PerfectlyModulatedNonsense)

```
-----  
| Don Peacock | |  
| Motorola Inc. | " If UNIX was meant to be user |  
| Unix Software Engineer | friendly, it would have been |  
| (602)-898-5295 | called Feelix " |  
| 2200 W. Broadway Rd | |  
| Mesa Az | Email Don_Peacock@email.sps.mot.com |  
-----
```

From qrp-request@Think.COM Thu Apr 15 16:17:16 1993
From: lbrunson@rodgers.rain.com
Date: 15 Apr 93 12:09:16 PST
Subject: Re: Portable vertical

| From: Clark Savage Turner WA3JPG <turner@safety.ICS.UCI.EDU>

| I would echo Jim's comment about "plain ol'" wire antennas for the
| backpacking at heart. (Not that I don't appreciate the helically
| wound vertical.....honest!)

Well, I have been considering the vertical because I don't always have a
tree handy and when I do, Murphy plays havoc with my throwing/shooting
abilities.

| You can get a 65 foot dipole wound up pretty tight, light and neatly
| into your pack, along with twin lead if you desire.

I have been wondering how to use twinlead effectively camping since my
feedline is either always too long or too short. If it is too long the
twinlead lays on the ground which is not good. I don't seem to be having
much luck with RG174 either.

| I use a piece of thin wire about
| 100 feet long and throw it up into a tree in any fashion feasible,
| then back up to run out the wire as long as is comfortable. I connect
| the end to the tuner, and I can get on all bands.

Maybe I missed something here. If you run out the wire to something less
than 100 feet, where does the rest go? Where do you attach the antenna
tuner?

(rest of wire)> @_____ (tree)
 ^

attach tuner here?

| I usually carry "D" cells for power, the power to weight ratio is better
| than gel cells it seems....

This is another topic but, my son (12 yr old KB7PNN) and I recently did an experiment where we discharged 6 different types of AA cells with 10 ohm loads and measured their voltage over time. We got some pretty interesting results. I have not tried the gel cell yet but hope to since I have been using them for QRP stuff recently.

We took voltage samples every 10 seconds on each cell for 32 hours and from that calculated the battery capacity and also plotted the voltage vs time. Since this was for a 6th grade science project we did not calculate the interenal resistance of each cell over time. We did not cycle the load on and off and we did not use a large sample of each manufacturer's cell.

We did calculate the best cost per watt-hour, though. The contestants were 1) Radio Shack carbon/zinc, 2) Radio Shack Long Life, 3) Radio Shack Alkaline, 4) Eveready Heavy Duty, 5) Eveready Energizer, and 6) Mallory Duracell. (We also looked an one nicad but that is even another story). Yes, the energizer kept going, and going, and going... but the voltage was than .3 volts... big deal.... even considering that, the winner was the Radio Shack Alkaline. The biggest loser was the Eveready Heavy Duty cell which was over twice the cost per watt-hour of the winner.

What else did we decide? 1) Well, forget about using any carbon/zinc for QRP since the voltage drops so quickly at the beginning of the discharge cycle. Since the power output of most little rigs is directly related to

et about using any carbon/zinc for QRP since the voltage drops so quickly at the beginning of the discharge cycle. Since the power output of most little rigs is directly related to the supply voltage, your power output drops rapidly. Alkaline cells, however, seem to have almost identical discharge characteristics until you get down to about .3 volts per cell and then the Duracell drops rapidly to .01 volts (remember our load is 10 ohms, your milage will vary), The Radio Shack hangs on just a bit longer and then also dies off. The Energizer has a little bump in the discharge curve like some other chemical is kicking in and its voltage hangs on for a while at .3 volts and then rapidly dies...

So, what will I use for QRP next? Either Radio Shack Alkaline or a bunch of NiCads. The AA alkaline cells figure out to be _about_ 1 amp-hour. A fully charged nicad is probably about .5 amp-hour. But, since the NiCad voltage remains near its maximum intil it dies _rapidly_, I will be able to keep near maximum power output for the duration of the cell's life.

I suppose we could discuss the merits of being able to measure the voltage accross the cell in order to figure out how much energy is still left etc

but remember this is a 6th grade science project.

Sorry for using up the bandwidth. Hopefully someone will find this at least mildly amusing.

73 Lowell

Lowell Brunson (503) 681-0417
Rosenet: lbrunson@roland.co.jp
Internet: lbrunson@rodgers.rain.com (prefered)
lowell@techbook.com
Packet Radio: KC7DX@N7PWF.OR.USA.NA

From bruce@Think.COM Tue Apr 13 16:07:24 1993
From: Bruce Walker <bruce@Think.COM>
Date: Tue, 13 Apr 93 16:07:23 EDT
Subject: QRP Administrivia

A few announcements. First of all, I have placed some info on QRP-NE, the New England QRP Amateur Radio Club, in the FTP area on Think.COM (pub/radio/ham/qrp/qrp-ne.info). It includes an ASCII membership form. If others would like to write up a blurb on other QRP clubs & newsletters, I'll put the info in the repository.

Since the announcement of this list on INFO-HAMS/rec.radio.amateur.misc and CQ-CONTEST lists, subscription requests have been steadily coming in. The current distribution list includes 95 subscribers in 8 DXCC countries (W, VE, G, GM, KH6, DL, UA, BV).

--bruce WT1M

From bruce@Think.COM Thu Apr 15 12:44:55 1993
From: Bruce Walker <bruce@Think.COM>
Date: Thu, 15 Apr 93 12:44:54 EDT
Subject: QRP Clubs

Here is some club information, mostly put together by Chuck (K5F0). If you have more pertinent info on these or other clubs, tell us about it. This info is kept as "clubs" in the FTP area.

--bruce WT1M

The QRP Amateur Radio Club International (QRP ARCI)

The world's oldest low power organization. Total membership over 8000, but probably only 1700 or so currently active, i.e. subscribe to the QRP Quarterly at the present time. Membership dues are \$12 first time and \$10 (USA) annually in order to receive the Quarterly. Membership applications to Mike Kilgore, KG5F, 2046 Ash Hill Rd, Carrollton, TX 75007. Awards for WAS, WAC, DXCC for 25, 50, 75, and 100 countries. Kilo-mile per watt award for contact over 1,000 miles/watt. There is a QSO party upcoming in April, April 3-4, see March issue of QST or i can post details on friday.

Michigan QRP Club

Organized January 19, 1978. Membership Chairman, Michigan QRP Club, 654 Georgia, Marysville, MI 48040. Membership dues are \$7 first year and \$5 for each 12-month period thereafter. DX stations are \$12 first year and \$10 each 12-month period thereafter. Newsletter is The Five- Watter (T5W). March issue was 19 pages.

G-QRP Club

British QRP Club. Publishes SPRAT (Small Powered Radio Amateur Transmissions) on a quarterly basis. Membership to Luke Dodds, W5HKA, 2852 Oak Forrest, Grapevine, TX 76051 and \$12 per year. Membership of this club at 6,000 or so.

New England QRP Amateur Radio Club (QRP-NE)

Membership at 170, QRP-NE is 1 yr old. Annual dues are \$10.00 for new members. Renewals are \$7.00 per year. Membership includes a subscription to "72", the QRP-NE newsletter. Highlights: various meetings and forums, QRP Field Day, Technical editor, HB committee, NETs, Contests, Field Day, meeting at W1AW (where the rigs are turned down to 5 watts). [see qrp-ne.info for application form.]

From bruce@Think.COM Wed Apr 7 10:23:41 1993
From: Bruce Walker <bruce@Think.COM>
Date: Wed, 7 Apr 93 10:23:38 EDT
Subject: QRP list info / Welcome

Welcome to the Internet QRP mailing list.

The QRP mailing list is open to all topics relating to low-power amateur radio operation. Example topics: portable operation, equipment design and construction, solar and battery power, QRPp, contesting,

The mailing list address is QRP@Think.COM; mail to that address will be sent to everyone on the list without human intervention. There is also an administrative address QRP-Request@Think.COM which will be monitored by the list maintainer(s); please use that for such requests as adding or removing yourself from the list, questions about the FTP access, etc.

There is also an anonymous FTP repository on host Think.COM in directory pub/radio/ham/qrp. This directory will hold things relating to this group, including the archives of the mailing list and whatever relevant contributions y'all come up with. If you want to upload something, mail it to QRP-Request, or if it's really big, ask QRP-Request what to do. This host does not run netlib or any of the other repository servers which operate by mail, so if you don't have direct Internet access or access to such a server which handles remote requests, you're out of luck (unless you ask QRP-Request nicely).

There is not yet a list of Frequently Asked Questions (FAQ) and answers for this list, since it is very new. If it becomes apparent we need a FAQ, we'll talk about it over the list itself.

This list was started by Chuck Adams (adams@chuck.dallas.sgi.com) by an announcement on the rec.radio.amateur.misc USENET group. I agreed to help out by maintaining the list and an FTP area. Chuck is still the keeper of the non-electronic archives, including copies of some schematics, etc. Contact him directly or watch this list for more info.

--Bruce Walker WT1M

P.S. -- I'll soon be going out of town on business until the end of the week, so don't worry if QRP-Request isn't responded to in a timely way this week.

From bruce@Think.COM Tue Apr 6 10:07:12 1993
From: Bruce Walker <bruce@Think.COM>
Date: Tue, 6 Apr 93 10:07:11 EDT
Subject: QRP mailing list

I'm just testing the setup of the QRP mailing list. Sorry to bother you!
--bruce WT1M

From qrp-request@Think.COM Sat Apr 17 17:38:50 1993
Date: Sat, 17 Apr 93 21:28:13 GMT
From: jkearman@arrl.org (Jim Kearman)
Subject: Re: RE: weiss (note: 2 s's)

W0RSP, the author of The Joy of QRP and History of QRP in the US,

and editor of The Milliwatt, spells his name "Adrian." I'm reading it right from the cover of The Joy of QRP.

72,

Jim, KR1S

--

jkearman@arrl.org

From qrp-request@Think.COM Mon Apr 19 11:22:19 1993

Date: Sun, 18 Apr 1993 12:45:23 -0400 (EDT)

From: Eric Rosenberg <ericr@access.digex.com>

Subject: Re: RE: weiss (note: 2 s's)

When I lived in South Dakota in '84, Ade was an English Professor at the Univ. of South Dakota in Vermillion. One of my employees lived near him...

Don't know if he's still there, and in my 8 month sojourn up that way, I never met him. He didn't belong to the local radio clubs, but everyone seemed to know him.

Eric

From qrp-request@Think.COM Wed Apr 14 16:19:17 1993

Date: 14 Apr 1993 15:18:47 -0600

From: David Severson <David_Severson@CCIS.baylor.edu>

Subject: RE>Re: HW-9

> In your message of 14 Apr 1993 at 1440 EDT, you write:

>> I have a HW-9 that has not ever really worked well. I may even have a

>I will start the bidding at \$20.00

>Larry, KQ4BY

\$25.00

- Dave, N5QIW

From qrp-request@Think.COM Thu Apr 15 09:51:37 1993
Date: Thu, 15 Apr 93 13:30:28 GMT
From: jkearman@arrl.org (Jim Kearman)
Subject: Re: RE>Re: HW-9

Gentlemen: Could the bidding be done by email, so our mailboxes
aren't clogged with it? I know you're all excited, but I have
my HW-9 WARC (working, paid \$150 incl ps and spare front panel!)
:+>
Thanks!

72,
Jim, KR1S
--
jkearman@arrl.org

From qrp-request@Think.COM Sat Apr 17 00:35:11 1993
Date: Fri, 16 Apr 93 16:35:58 GMT
From: qrp@chalford.demon.co.uk (Martin Coburn)
Subject: Request to add to mailing list

Please add the following address to the QRP mailing list

qrp@chalford.demon.co.uk

Thankyou

-
Martin

-----+-----+-----+-----+-----+-----+-----+
Email	Radio
qrp@chalford.demon.co.uk	g4dul@g4dul.ampr.org [44.131.5.145]
coburn@gec-mi-at.co.uk	NTS BBS network G4DUL @ GB7KHW
+=====+

From qrp-request@Think.COM Mon Apr 12 16:32:50 1993
Date: Mon, 12 Apr 1993 15:33:26 -0500 (CDT)
From: F_SPEERJR@CCSVAX.SFASU.EDU (James Speer)
Subject: sorry

Sorry that last note was misdirected. Mailer got away from me. I was just
wondering where Jeff EVER found an UN-built HW-9?!?

Jim, K5YUT

From qrp-request@Think.COM Tue Apr 13 12:11:08 1993
Date: Tue, 13 Apr 93 12:08:49 EDT
From: jmichael@vnet.IBM.COM
Subject: Subscribe

subscribe qrp Jim Michael

From qrp-request@Think.COM Wed Apr 14 16:31:56 1993
Date: 14 Apr 1993 15:31:32 -0500 (CDT)
From: "Jeff M. Gold" <JMG@tntech.edu>
Subject: Testing out

Hello.. need to get a message so I can send a copy to Bruce.

What do you think will be knew in HF rigs in Dayton?

Jeff, AC4HF

From qrp-request@Think.COM Wed Apr 14 16:38:41 1993
Date: Wed, 14 Apr 1993 14:37:27 EDT
From: "Fred Cady ieeefc@msu.oscs.montana.edu" <fred_c@ece.ee.montana.edu>

In your message of 14 Apr 1993 at 1440 EDT, you write:
> I have a HW-9 that has not ever really worked well. I may even have a couple
> of the final transistors in the "drawer". What would this be worth to
> someone? Shipping, handling, manuals, transistors, etc.
>
> Douglas L. Datwyler
> datwyler@moons.sim.es.com
>

I will start the bidding at \$20.00
Larry, KQ4BY

----- End forwarded message
Count me in for \$35.00 Fred, KE7X

From qrp-request@Think.COM Wed Apr 14 18:09:47 1993
Date: Wed, 14 Apr 93 18:09:30 EDT
From: majewski@erim.org (Ron Majewski)
Subject: Testing out

From qrp-request@Think.COM Wed Apr 14 17:26:51 1993

From: Kevin Purcell (Rho) <a-kevinp@microsoft.com>
Date: Mon, 12 Apr 93 13:22:18 PDT
Subject: RE: Testing out

I heard an interesting rumor that TenTec may introduce another small, simple, cheap (compared to the Argo II) QRP rig? Think I got this one from the net.

Any ideas/confirmations/denials?

Kevin Purcell N7WIM / G8UDP
a-kevinp@microsoft.com
"We conjure the spirits of the computer with our spells"

From qrp-request@Think.COM Wed Apr 14 22:53:56 1993
Date: Wed, 14 Apr 1993 22:49:55 -0400 (EDT)
From: Eric Rosenberg <ericr@access.digex.com>
Subject: Re: Testing out

On 14 Apr 1993, Jeff M. Gold wrote:

> Hello.. need to get a message so I can send a copy to Bruce.
>
> What do you think will be knew in HF rigs in Dayton?
>
> Jeff, AC4HF

Ten Tec will be introducing the Scout, a 50 watt ssb/cw monobander with replaceable band modules (the size of a deck of cards) for all bands from 80-10 meters. The radio will have an LCD (or was it LED?) readout, a Jones filter (their continuous filter from 500-2500 hz) and built-in keyer. It should be the size of the TR-50. Draws 600 ma on receive, 10 amps on tx. a NB will be an option. The rig will sell for \$495 with one band modeule. Others will cost \$225 each. Delivery dates late-June/early-July.

No tuner will be made (At this point), and there will be no computer control (CAT) or band-data output...unfortunately :-(

Enjoy!
Eric

--

Eric Rosenberg
338 14th Street, NE
Washington, DC 20002 USA

WD3Q, EI4VPS, ZL0ADG, J20BY, etc.
voice: +202-547-3441
fax: +202-547-3613

ericr@access.digex.com

wd3q@amsat.org

From qrp-request@Think.COM Wed Apr 7 16:25:04 1993
Date: Wed, 7 Apr 1993 15:25:32 -0500 (CDT)
From: F_SPEERJR@CCSVAX.SFASU.EDU (James Speer)
Subject: Thanks!

Many thanks to Bruce and Chuck for getting this list up and running. It's a great service.

I'm currently trying to brief myself on what we know about sticking vertical antennas out in the middle of the woods, and am so far finding it's not SUCH a bad idea as you might at first think. I'll summarize what I find out when I'm done.

Thanks again, Bruce and Chuck.

Cheers & 73
-Jim-, K5YUT

From qrp-request@Think.COM Wed Apr 14 15:46:44 1993
Date: Wed, 14 Apr 93 13:46:29 MDT
From: datwyler@moons.sim.es.com (Doug Datwyler)
Subject: the HW-9

Per some of the requests for more info, let me elaborate.

Not work well - attributed to the apartment life, with a poor antenna, and I burned the finals up twice.

Mods - Installed additional band package. I have a book somewhere about the "hot-water" mods, but none were done.

Physical shape - Currently the case is apart. I may have lost the screws that hold it together. All other circuitry is intact. I have manuals for all of it. I have a pwer supply that works as rated. I have a tuner witout the switch (used in another project). All matching.

I hope that this clarifies a bit the shape it is in. Time does not allow me to fix it up any further. Current high bid is \$140.

TNX ,Doug, WR70
datwyler@moons.sim.es.com

From qrp-request@Think.COM Fri Apr 16 14:04:48 1993
Date: Fri, 16 Apr 93 12:04:32 MDT
From: datwyler@moons.sim.es.com (Doug Datwyler)
Subject: the HW-9

Sorry about the confusion on the list about the bidding on this item.
I have mailed letters to the two highest bidders. To the others,
thank you for your offers. May all enjoy QRP to its fullest, and
share our knowledge via the list.

Douglas L. Datwyler
datwyler@moons.sim.es.com

From qrp-request@Think.COM Thu Apr 15 09:17:31 1993
Date: Thu, 15 Apr 93 07:17:18 MDT
From: datwyler@moons.sim.es.com (Doug Datwyler)
Subject: the hw-9 I offer

An update. As I was going through my stuff with the HW-9, I found the matching
watt/SWR meter. So the package offered is:
HW-9, in fair physical shape, but not functioning, with WARC bands installed:
matching tuner, switch is missing;
power supply;
watt/swr meter.

I also have all manuals and a set of MRF237s (two) to go with it.

Update your offer or let me know your offer BY e-mail only.

TNX, 73, Doug WR70
datwyler@moons.sim.es.com

From qrp-request@Think.COM Wed Apr 14 16:45:29 1993
Date: Wed, 14 Apr 93 14:45:16 MDT
From: datwyler@moons.sim.es.com (Doug Datwyler)
Subject: the hw-9 that i offer

Those are the matching power supply and tuner. Tuner is minus the rotary
switch.

TNX datwyler@moons.sim.es.com

From qrp-request@Think.COM Wed Apr 14 16:08:07 1993
Date: Wed, 14 Apr 93 15:07:55 -0500
From: adams@chuck.dallas.sgi.com (Charles Adams)
Subject: The Joy of QRP and QQ

Gang,

i notice there are a large number of people looking for the Joy of QRP. how is this different from the History of QRP? i have a copy of Ade's (in fact it is autographed to me) History of QRP 1924-1960. it makes interesting reading.

Dave@ccis.baylor.edu (home of the Baylor bears and my old P.E. instructor Grant Teaff) was looking for back issues of the QRP Quarterly (QQ). you can get each year for \$10 plus postage. i'll get the data when i get home this evening. i bought all bound issues for \$60 and i think that was for the seven years up to 1991. well worth the cost just to have them all together and bound. photocopies are excellent and it's the plastic binding with multiple rectangular holes. don't remember what the name of the binding is.

somebody let me know about Ade's book. got note sometime back that Ade had some problem, political or otherwise with the QRP ARCI or some nonsense and it caused him to drop QRP work for while and his book. just a rumour that i heard and would like clarification on.

73/72 de k5fo chuck

p.s. i'll make up a bibliography of what i have at home on qrp related books. we can start a file at the ftp site.

From qrp-request@Think.COM Thu Apr 15 09:50:27 1993
Date: Thu, 15 Apr 93 13:10:38 GMT
From: jkearman@arrl.org (Jim Kearman)
Subject: Re: The Joy of QRP and QQ

Dunno about QQ. I was fortunate to be able to glom onto a set of copies of The Milliwatt. Good winter-night reading!

I have here a copy of Joy of QRP. I advertised continuously in QST for 6 months before I finally turned up 3 copies, 2 of which went to other staffers. I think "History" is much more interesting and inspirational. Someday I may write a review of "Joy" for the list. Meanwhile, here's a listing of the Table of Contents:

- 1 The Exciting World of QRP
- 2 Sharing the Joys of QRP
- 3 Planning for QRP Operation

- 4 Putting a QRP Signal on the Air--Commercial Equipment
- 5 Homebrewing the First QRP Rig
- 6 General Operating Techniques
- 7 Planning and Operating Specific Types of QRP Activity
- 8 RF Power Measurements

The book came out in 1984, so it's a little dated. The current crop of QRP technical and operating books makes up for the contents, if not the enthusiasm of Adrian's "Joy."

QRPers are like the newly converted: we want to absorb everything written on the subject! The people holding copies of "Joy" know this and charge accordingly. I paid from \$15-25 for each of those three copies!

"History" was still available a couple of years ago, from Ham Radio Bookstore. I bought a couple of copies from them at Dayton in 1991. Might be worth a call. It's worth reading. If you can't get a copy, I rehashed some of the early history in "Low Profile Amateur Radio," with due credit to Adrian for pointing the way. 'Pointing the way...' Maybe Adrian is the Buddha?

Up here in New England the buds are coming out on the trees, and it often gets up to 50 F during the day. The big piles of snow in the League parking lot are almost melted. The solar panels are actually putting out long enough each day to keep the battery charged again. Time to start thinking about that portable rig and Field Day! I'm also getting inspired to start work on another regen receiver, for 80-40-30 meters, to use this summer. Some people like direct-conversion receivers, for all the right reasons, but I've had fun with my 40-m regen. I live 1/2 mile from ARRL and can use 7040 when W1AW is on 7047. It's flaky and touchy, but it's fun.

72,

Jim, KR1S

--

jkearman@arrl.org

From qrp-request@Think.COM Wed Apr 14 15:04:00 1993
Date: 14 Apr 1993 14:03:29 -0600
From: David Severson <David_Severson@CCIS.baylor.edu>
Subject: The Joy of QRP, QRP Qrtly where?

This list was a great idea. Thanks to the special people who allocated the

time and resources to make it possible.

I am looking for a copy of "The Joy of QRP". I understand it is out of print. Anyone have an old copy I could buy.

My QRP quarterly library is short the January 1992 issue. Does anyone have a copy? Can I legally copy it? Does someone know if the QRP Quarterly people sell back issues.

- Dave
David_Severson@ccis.baylor.edu

From qrp-request@Think.COM Wed Apr 14 20:04:23 1993
Subject: Things
From: jjw@precipice.chi.il.us (John Welch)
Date: Wed, 14 Apr 93 18:53:31 CDT

Vikki & I will be going to Dayton. Current schedule is for me to talk about my DDS rig, the TW-1, probably on Saturday afternoon. Will be explaining Direct Digital Synthesis (as best as I can :-)) and showing off the new board for it, that will allow you to run it from 10Hz to 21.5MHz in 10Hz steps.

For those of you who didn't see it, the TW-1 was published in Dec 92 and Jan 93 issues of 73 Magazine. As published, there was an error in the DDS power supply schematic, an error in the program and an error in the amplifier circuit board. Besides, the amp isn't all it **should** have been anyway, and I'm working on a better one.

It is currently a transmitter only, covering from roughly 3 Hz to 21.5MHz, stable as a rock, drift-free and repeatable. It is expandable, and the first expansion is to change the diode matrix board (that allowed you 12 'channels' wherever you wanted them) with ROMs and thumbwheel switches to set it anyplace it can go. Soon to be done are a receiver (still waffling about superhet or phasing), a better amplifier, an up-mixer to allow full HF coverage and a SSB generator.

Any questions, e-mail them to me at jjw@precipice.chi.il.us

72 es 73 all -->jjw

From qrp-request@Think.COM Thu Apr 15 18:33:39 1993
Date: Thu, 15 Apr 1993 18:33:17 -0400

From: okas_rp%ncsd.dnet@gte.com
Subject: Tuning those qrp rigs

Hello All,

I'm new to QRP'ing and I'm surveying what's available both commercially and as homebrew projects. I'm rather startled to see a lack of final tuning adjustments in most cases. To be sure, the output circuits are either pi or pi-l, but fixed caps are used in the shunt legs. I found an exception with the HW-8 which has an amplifier tuning adjustment, but it also has a meter. Now for the _dumb_ question: Since practically all of the rigs I've seen lack final amplifier adjustments and/or current meters, how does one go about tuning up a qrp rig for maximum smoke (to the antenna, that is) while keeping the final(s) within reasonable operating limits?

With the varying field conditions most qrp rigs experience, it seems that a swr meter and tuner are mandatory accessories. Any enlightenment would be greatly appreciated.

de Bob - N3MBY

From qrp-request@Think.COM Fri Apr 16 08:21:07 1993
Date: Fri, 16 Apr 93 12:04:40 GMT
From: jkearman@arrl.org (Jim Kearman)
Subject: Re: Tuning those qrp rigs

Bob, N3MBY, asks about the need for tuners and SWR meters in the field. Yes, Bob, you may very well need them! The pi network does two things: It matches the final amps to 50 ohms, and it also attenuates harmonics. Making the pi net adjustable would likely diminish its ability to attenuate harmonics.

You don't need accurate power or SWR measurement capability in the field. There's an L-net Transmatch and simple relative SWR bridge in the back of _Solid State Design_. The SWR bridge is switched in with a load, so you can adjust the antenna without subjecting the PA to wildly changing load impedances.

Most QRPers have a plethora of rigs, so it pays to put the tuner/SWR meter in a separate box. I'm not big on built-in keyers, either, for the same reason!

72,

Jim, KR1S

--

jkearman@arrl.org

From qrp-request@Think.COM Sat Apr 17 15:12:28 1993

Subject: UNSUBSCRIBE

From: vikki@wv9k.atl.ga.us (Victoria Welch)

Date: Sat, 17 Apr 93 15:04:27 EDT

UNSUBSCRIBE

From qrp-request@Think.COM Wed Apr 21 10:45:35 1993

From: jpo@acd4.acd.com (Jim Osburn)

Subject: Vernier Drive

Date: Tue, 20 Apr 93 19:05:31 EST

Where is a good place to get a vernier drive like on the MFJ QRP rigs?

Thanks

Jim, WD9EYB

jpo@acd4.acd.com

From qrp-request@Think.COM Wed Apr 21 13:02:56 1993

Date: Wed, 21 Apr 93 16:42:32 GMT

From: jkearman@arrl.org (Jim Kearman)

Subject: Re: Vernier Drive

Jim, WD9EYB (jpo@acd4.acd.com) writes:

>Where is a good place to get a vernier drive like on the MFJ QRP rigs?

One place I know of is Ocean State Electronics. Their catalog lists three:

Part No.	Diameter	Reading	Price
VD112-10	1-1/2"	0-10	8.25
VD-1120199	1-1/2"	0-100	9.25
VD2	2"	0-100	10.25

Their address is PO Box 1458, Westerly, RI 01891

Phones: 401-596-3080, 800-866-6626
FAX: 401-596-3590

Their minimum order is \$10.00. Their catalog is worth having.
New England QRP Club members receive a 10% discount!

I sometimes find used vernier drives at hamfests. The old National Velvet Vernier drives are fantastic, but large. But I still buy them when I find them!

72,

Jim, KR1S

--

jkearman@arrl.org

From qrp-request@Think.COM Thu Apr 22 06:20:01 1993
Date: Thu, 22 Apr 93 06:16:02 -0400
From: lakeith@wrdis01.robins.af.mil (CONTRACTOR Larry Keith;WR-ALC/653 CCSG/SCDD)
Subject: Re: Vernier Drive

In your message of 21 Apr 1993 at 1201 EDT, you write:

> Where is a good place to get a vernier drive like on the MFJ QRP rigs?

>

> Thanks

>

> Jim, WD9EYB

> jpo@acd4.acd.com

>

Ocean State Electronics advertises vernier dials (three sizes)..
Also, Surplus Sales of Nebraska... I am at work and don't have access
to the QST magazine for the addresses... If you need them, E-mail me
after Dayton 8-]....

73 and Dayton bound!!

Larry KQ4BY

From qrp-request@Think.COM Thu Apr 22 14:34:41 1993
From: Kevin Purcell (Rho) <a-kevinp@microsoft.com>
Date: Thu, 22 Apr 93 10:32:41 PDT
Subject: RE: Vernier Drive

Oak Hills Research have vernier ball drives (but I don't know if they

meet your spec):

6:1 reduction

Mates with 1/2" shaft

Torque in: 3in/oz

Torque out: 30in/oz

Two versions:

BD01 with dial plate mounting flange

BD02 without dial plate mounting flange

\$7.95ea or 2/\$13 (mixing OK).

You should get an OHR catalog -- they have all the stuff you need to build pretty decent QRP equipment at a reasonable price.

Call 1-800-842-3748 8am to 6pm EST to place orders

Call 1-616-796-0920 8am to 6pm EST for technical info.

I have no affiliation with OHR

Kevin

From: Jim Osburn <netmail!jpo@acd4.acd.com>
To: QRP Mailing List <qrp@Think.COM>
Subject: Vernier Drive
Date: Tuesday, April 20, 1993 7:05PM

Where is a good place to get a vernier drive like on the MFJ QRP rigs?

Thanks

Jim, WD9EYB
jpo@acd4.acd.com

From qrp-request@Think.COM Wed Apr 7 16:54:27 1993
Date: Wed, 7 Apr 93 15:54:04 -0500
From: adams@chuck.dallas.sgi.com (Charles Adams)
Subject: Verticals

Jim (K5YUT) mentions verticals. i used a butternut hf-6v for many years. probably starting within a few months of when they first came out. it was the best antenna i ever had until i switched to the 80 meter long wire up 10 meters.

a little secret. i went down to Home Depot and bought a couple of 500 ft rolls of #12 electrical wire. seems like it was pretty cheap, like \$12 a roll or something like that. i'll look when i run by for the fire ant killer later today or tomorrow. i made a jig to strip the insulation and spread random length radials in a 180 degree pattern from the house. had them meet at the base, soldered them together and to a 6 ft copper rod in the ground next to the base of the antenna. ground mounted, i think is the best way to go.

i had the antenna supported at the top about 3 ft from the eave of the house with pvc pipe with 'tee' for standoff insulator. with stood 90 mph winds with no problem. had to periodically go out and clean out the spiders who just loved the coils and caps for homes. kept the birds away, for sure. one thing about qrp, you surely don't fry them.....

never a lick of problems in two locations. i moved about 6 miles to the country where i am now. the radials are still buried, but sadly the hf6v is in the garage after taking it down last year. it was one of those "i'll just take it down and do some spring cleaning" but never finished projects. i love the long wire so much.....

with the butternut vertical, if i could hear them, i could work them. the ground system is the secret. i noted last week that upon examination, the radials are still in good shape. minor corrosion, but not brittle. may have to go back and work on it again.

oooohhh. i used an electric sidewalk edger to bury the radials. the yard was just going in at the time, thus within weeks you couldn't tell where i buried them. the soil is so sandy but i do seem to have underground spring at the back part of the lot. 300' to back fence on cemetery lot. (sp?) gonna have to dig out Steven King for that word. ;-)

just my 2 cents worth.

73 es 72 de k5fo chuck dit dit

From qrp-request@Think.COM Fri Apr 23 15:41:12 1993
Date: Fri, 23 Apr 93 19:13:37 GMT
From: jkearman@arrl.org (Jim Kearman)
Subject: VFO

In response to my earlier posting about the GRC-109, Jeff Herman

<jherman@uhunix.uhcc.Hawaii.Edu> asked me:

>

>Jim,

> Could you give me the reference to the vfo you'll be building? Thanks.

>

>Jeff, NH6IL jherman@Hawaii.Edu

>

>

As this info may be of interest to other readers, I'm sure Jeff won't mind my posting to the QRP group. In recent editions of The ARRL Handbook, there are plans for a receiver by K5IRK and W7Z0I. Actually, these circuits are a bonanza for the homebrewer! You'll find optimized VFO and crystal oscillator circuits, mixers, RF and audio amps--you name it. The VFO is one I have used many times.

Actually, I could use the most-recent implementation right now. I built a 5-MHz VFO and 12-MHz crystal oscillator based on the ones in the article and mixed them for a 7-MHz output, mainly to get some experience with heterodyning. I used an SBL-1 diode mixer, followed by a few stages of amplification, then into an IRF-510 MOSFET from Radio Shack (circuit from Three Fine Mice, now in QRP Classics) for a neat 5-watt transmitter. I'm thinking of stealing the 7-MHz RF from this transmitter to use as a VFO but I'm afraid I'll NEVER build another one for the GRC-109!

The obsessive-compulsive side of me wants to build a multiband heterodyne VFO for use with the GRC-109; the ham side of me says make a bandswitched VFO. If done properly, it won't drift. When I'm QRP I don't usually operate near band edges anyway, so who needs perfect dial calibration? I'm planning to use a WW2 surplus vernier drive to have an appearance like the 109. I think I'll use a two-section variable cap, so I can have at least two tank circuits that aren't switched. With some cleverness, I might be able to cover 80 (3.5-3.7), 40 (7.0-7.1), 30 (5.5-5.6), 20 (7.0 x 2), 17 (4.5-4.6) and 15 (7.0 x 3) without much switching.

I could stick to three ranges, but the tuning rate would be too fast if I multiplied from 3.5 to 21. By the time I learn to "fine tune" the receiver, I'll be able to pick safes!

72,

Jim

From qrp-request@Think.COM Fri Apr 16 22:05:08 1993

From: Kevin Purcell (Rho) <a-kevinp@microsoft.com>
Date: Fri, 16 Apr 93 18:03:57 PDT
Subject: RE: weiss (note: 2 s's)

Ade is a guy -- take a look at some of his friends (see CQ QRP column)!

Kevin

From: Paul Blumstein <netmail!paulb@harley.tti.com>
To: Kevin Purcell (Rho)
Subject: weiss (note: 2 s's)
Date: Friday, April 16, 1993 6:42PM

I checked the callbook (online) and found Adrian Weiss; but the address was SD. I suspect he is a she; male Adrian's are generally Adrien.

Anywho, I called info. There is an Abe & Rose Weiss in Passadena. And an A. Weiss in Montrose near Passadena. No one answers the latter phone # (1-818-359-9392). S/he may be that person; may be unlisted; or may have moved.

Paul

From qrp-request@Think.COM Wed Apr 14 09:48:37 1993
From: mvjfm@mvubr.att.com
Date: Wed, 14 Apr 93 09:43 EDT
Subject: Will be at Dayton

Will be at Dayton with the QRP gang !

W1FMR

From qrp-request@Think.COM Wed Apr 14 14:43:52 1993
Date: Wed, 14 Apr 93 11:43:48 PDT
From: The Season of Hollow Soul 14-Apr-1993 1441 <dm_johnson@tonto.enet.dec.com>
Subject: yaesu 747

I have seen info about turning down the power on other rigs but I have not seen anything about turning down the power on a yaesu ft747. Anybody have any info about this?

Denny
ka1bqz

From bruce@Think.COM Tue Apr 13 15:49:31 1993
From: Bruce Walker <bruce@Think.COM>
Date: Tue, 13 Apr 93 15:49:30 EDT
Subject: [a-kevinp@microsoft.com: RE: MFJ vs Tejas?]

[I think Kevin meant to send this to the whole list. --bruce WT1M]

From: Kevin Purcell (Rho) <a-kevinp@microsoft.com>
To: qrp-request@Think.COM
Date: Sun, 11 Apr 93 11:19:52 PDT
Subject: RE: MFJ vs Tejas?

You should widen your list to include Oak Hills Reasearch -- if you want to build a QRP rig. They have an excellent selection of rigs (including direct competitors with these rigs). I have heard good things about their kit quality.

call 1-800-842-3748

I have no association with OHR!

Kevin Purcell N7WIM / G8UDP
a-kevinp@microsoft.com
"We conjure the spirits of the computer with our spells"

From: "Kevin W. Russell" <netmail!krussell@netcom.com>
To: QRP Mailing List <Qrp@Think.COM>
Subject: MFJ vs Tejas?
Date: Tuesday, April 13, 1993 7:20AM

I am interested in getting a small QRP rig for camping and business trips and am looking at the MFJ radios as well as the Tejas RF Technology Backpacker II. Does anyone have any experience with either one? Has anyone built one of the Backpacker IIs. I have built the Ramsey 2 meter transceiver kit but am not sure how hard the Backpacker would be.

Kevin W. Russell (N7QKU) krussell@netcom.com
Salt Lake City, Utah (801) 575-3251

From bruce@Think.COM Wed Apr 14 14:33:26 1993
From: Bruce Walker <bruce@Think.COM>

Date: Wed, 14 Apr 93 14:33:26 EDT

Subject: [dihi@bsdihi.atr.bso.nl: pse sign me on]

[I'm forwarding this introduction from a new addition to the QRP list. The announcements must just be getting many places overseas, since we have new subscribers from HB, OH, PA, and SM today. Welcome all! --bruce WT1M]

Date: Wed, 14 Apr 1993 18:54:51 MDT

From: "Dick Hissink" <dihi@bsdihi.atr.bso.nl>

To: qrp-request@Think.COM

Subject: pse sign me on

Hello QRP friends!

Please sign me on to the QRP mailing list. After a couple of years 'radio silence' i builded a 40 m qrp tx/rx, and start to be addicted to qrp work.

The tx/rx i use is a kit from Jandek, a UK company. It is of good quality and consists of 12 modules, including all parts and pcb's. Well documented, and a price of only 55 British pounds!

Good QRPing!

Dick

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Dick Hissink PA3DSP

Email:dihi@bsdihi.atr.bso.nl